RAILWAY AGE

With which are incorporated the Railway Review, the Railroad Gazette, and the Railway Age Gazette. Name Registered in U. S. Patent Office and Trade Mark Office in

Office of Publication, Orange, Conn. Editorial and Executive Offices at 30 Church Street, New York 7, N. Y., and 79 West Monroe Street, Chicago 3, 111.

Branch Offices: 1081 National Press Building, Washington 4, D. C.—Terminal Tower, Cleveland 13, Ohio.— Terminal Sales Building, Portland 5, Ore.-1127 Wilshire Boulevard, Los Angeles 17, Cal. — 244 California Street, San Francisco 11, Cal.—2909 Maple Avenue, Dallas 4, Tex.

James G. Lyne, President. Samuel O. Dunn, Chairman Emeritus. J. S. Crane, Vice-President and Secretary. Harry H. Melville, C. W. Merriken, John R. Thompson, William H. Schmidt, Jr., J. S. Vreeland, Fred W. Smith, Robert G. Lewis, Vice-Presidents. Arthur J. McGinnis, Executive Vice-President and Treasurer. Ralph E. Westerman, Assistant Treasurer.

Founded in 1856

INDEX

One Hundred and Thirty-Sixth Quarto Volume

January 1, 1954, to June 30, 1954

Ninety-Ninth Year 1954 First Half

WASHINGTON OFFICE . . . Walter J. Taft WESTERN EDITOR . . . ELECTRICAL DEPARTMENT . . .

TRAFFIC & TRANSPORTATION DEPARTMENT . . . Robert G. Lewis John W. Milliken Joe W. Kizzia

MECHANICAL DEPARTMENT . . . C. B. Peck
E. L. Woodward
H. C. Wilcox
C. L. Combes
G. J. Weihofen

ENGINEERING DEPARTMENT . . . Radford E. Dove Halbert H. Hall Robert F. Lindsay

PURCHASES & EQUIPMENT . . . Fred C. Miles

SIGNALING AND COMMUNICATIONS John H. Dunn Robert W. McKnight WESTERN NEWS DEPARTMENT . . . Arthur M. Cox, Jr.

EDITORIAL PRODUCTION . . . Ralph M. Schmidl

ASSOCIATE EDITOR . . . Charles Laying

LIBRARIAN . . . Edith C. Stone

EDITORIAL ASSISTANTS . . . Ann Ortlinghaus Emma Rehm June Meyer Anne Schreiner

PRINTED IN U. S. A.

INDEX

One Hundred and Thirty-Sixth Quarto Volume-January 1, 1954, to June 30, 1954

AUTHORS

Adams, B. T., Mar 29 p 16 Albach, G. H., Feb 22 p 66 Aldug, Robert, June 28 p 21 Allen, John C., May 17 p 7 Allie, R. H., Apr 5 p 68 Ames, E. W., Mar 15 p 66 Arpaia, Anthony F., Apr 5 p 11

Baker, A. G., May 3 p 15
Barcan, Arthur, May 24 p 29
Baumgariner, D. A., Apr 19 p 49
Beatty, Albert R., Mar 22 p 13
Bender, D. M., Mar 15 p 16
Bender, George, June 7 p 27
Bikelither, Bender, Bender,

Campbell, A. W., Feb 1 p 18; Apr 12 p 17 . Caverly, Gardner A., June 14 p 11; June 28 p 23 Clarke, Owen, May 17 p 11 Cox, Arthur M., Jr., Jan 11 p 133 Craddock, J. A., Mar 8 p 15

Dearing, Charles L., Jan 11 p 13; Apr 5 p 76 DeButts, Harry A., June 7 p 46 Dick, Merwin H., Jan 11 p 164, p 173 Deebber, F. I., June 21 p 27 Dunn, John H., Jan 11 p 168

Eaton, Cyrus, Mar 15 p 13 Englehart, E. T., Jr., May 31 p 43

Fahland, F., Apr 12 p 25 Fariey, William T., Feb 22 p 10; Mar 22 p 10; Apr 19 p 7 Flehtenger, C. R., June 7 p 46 Fox, P. H., Feb 1 p 18 Freas, Howard, June 7 p 8 Frederlek, John H., June 28 p 50

Gallagher, John S., Jr., Jan 11 p 158, p 183 Gass, A. H., Jan 18 p 9; Jan 25 p 51 Gordon, K. H., Mar 8 p 67 Gould, B. R., Feb 1 p 18 Graham, Robert D., May 3 p 45 Grant, C. H., Apr 19 p 49 Gregory, E. Sanford, May 31 p 10 Griffith, George O., May 17 p 16

Hall, Halbert H., Jan 11 p 203
Hallawell, R. E., Mar 15 p 16
Hammell, A. L., Mar 8 p 72
Hauser, G. B., May 31 p 43
Hibbard, L. J., Mar 8 p 67
Hill, E. V., Apr 5 p 75
Hiltz, John P., May 24 p 32
Hollar, Phillip A., May 17 p 118
Hudson, Gardner C., Jan 11 p 152
Hursb, S. W., May 3 p 44
Hutchison, W. M., Mar 15 p 66

Johnson, Dr. Ellis, Mar 8 p 75 Johnson, J. Monroe, Mar 22 p 15

Kimball, R. L., Feb 8 p 68 King, E. B., Mar 8 p 67 Kirkman, O. Artbur, June 14 p 9 Knudson, James K., Jan 18 p 9; May 17 p 122; June 14 p 10

Laigast, C. J., June 21 p 27 Lew's, Robert G., Jan 11 p 195 Lozano, Alfonso H., Jan 11 p 200 Lyne, James G., Feb 22 p 11

Magee, G. M., Feb 15 p 24, p 34
Marsh, John F., Mar 15 p 48
Mattson, R. E., Jan 18 p 14
May, Richard G., Mar 22 p 90
Mayo, E. E., May 24 p 16
McBride, Robert J., June 7 p 7
McIntyre, A. F., Feb 1 p 18; Apr 12 p 17
McKnight, R. W., Jan 11 p 178
McMase, John R., Mar 22 p 91
Merritt, Kinsey N., May 17 p 127
Mctzman, Gustay, Feb 15 p 12; Apr 5 p 67; Apr 26 p
35; May 31 p 32
Miller, Sidney L., Jan 11 p 136
Miller, Sidney L., Jan 11 p 16
Millse, Ted C., Jan 11 p 16
Millse, Nohn W., Jan 11 p 16
Millse, S. N., Feb 1 p 8
Mitchell, J. R., Mar 29 p 16
Morroe, J. Elmer, Jan 11 p 110
Moore, V. A., Jr., Mar 15 p 66
Morton, C. L., Feb 1 p 18
Murray, Robert B., Jr., Mar 22 p 9

Nelson, M. B., June 28 p 30 Nummerador, C. A., Mar 15 p 16

Ochler, Alfred G., Jan 11 p 176 Orner, F. J., Apr 19 p 49 Ott, William H., June 7 p 8

Parmelee, J. H., Mar 22 p 13 Partridge, Dirk, June 28 p 30 Peck, C. B., Jan 11 p 184 Perlman, A. E., May 24 p 16 Powrie, W. G., May 24 p 16

Randail, G. C., Jan 4 p 18; Jan 25 p 50; Apr 19 p 49 Reinhardt, William, Feb 8 p 16 Robinson, C. C., Apr 19 p 49 Roper, P. M., Mar 8 p 15 Ryan, Eugene F., May 10 p 25; June 7 p 7

St. Clair, A. W., Feb 1 p 18
Sanger, Wm. Cary, Jr., Mar 15 p 68
Schiff, R. A., May 24 p 29
Scruggs, John D., June 14 p 54
Seitz, Ambrose J., Mar 22 p 13
Shoemaker, Perry M., Feb 8 p 15; Feb 22 p 9; Apr 12
p 8, p 9
Silleox, L. K., Jan 11 p 243
Stone, R. J., Feb 1 p 18
Sughrue, T. H., Apr 5 p 10
Swilling, A., June 14 p 37
Symes, J. M., Mar 22 p 90

Taft, Walter J., Jan 11 p 146 Thomas, R. B., Mar 22 p 88 Thomas, R. E., Feb 8 p 11

Vaughan, J. A., May 3 p. 46 Von Willer, H. W., June 7 p 7

Yardley, Charles F., Apr 5 p 12 Young, Robert R., Mar 22 p 10 Yount, Maj. Gen. Paul F., Feb 8 p 18; Mar 15 p 11

GENERAL INDEX

[Illustrated articles are indicated thus*; Editorials thust; Letters to Editor thus?]

AB Brakes (See Brakes, Air)

Brakes (See Brakes, AIT)
Industries, Inc.:
CRI&P to Purchase Talgo Train, June 28 p 23, p 60*
New Name of American Car & Foundry Company, Mar
1 p 12; June 7 p 15
Recapitalization Plan Rejected, Mar 1 p 12; June 7

p 16 W-K-M Company Acquired, June 7 p 16

Abandonments:

GM&O "Litle Rebel" Surrenders, Apr 12 p 9*
New Jersey & New York Asks ICC to Enter Train
Abandonment Case, Mar 8 p 16
SP Order to Continue and Re-Equip Unprofitable
Train Upheld by Supreme Court, Jan 11 p 15
Academy of Political Science: F, G. Gurley Discusses the
Union Shop, May 10 p 13†; June 14 p 37\$

Union Shop, May 10 p 101, 3010.

Accident Prevention:
Bethiehem Rock Anchor Bolt, Mar 15 p 55*
C&NW Warns Commuters About Getting On or Off
Moving Trains, June 28 p 21*
GE Plastic Welding Helmet, Mar 15 p 57*
Grip Nut Brake Beam Safety Support, June 28 p 44*
Illinois Grade Crossing Protection Program, Mar 22

Mars Tri-Eight Signal Lights, May 3 p 28° Willson Kover-Mor Goggle, Mar 15 p 54°

Milison Roter and Conditions:

Berailments, Clearing; Superintendents' Report on, June 21 p 39

Grade Crossing, in 1952, Feb 8 p 17

ICC Bureau of Locomotive Inspection Annual Report, Mar 8 p 17

ICC Statistics for October and November, Feb 15 p 9: December, Mar 15 p 11; January, Mar 29 p 8; February, May 17 p 137; March, June 14 p 12

Investigations, Conducting; Superintendent's Report

Investigations, Conducting; Superintendent's Report on, June 21 p 39 Passenger Fatality Rate of Air Lines in 1953, Jan 4 p 10; Railroads and Air Lines Compared, May 17 p 10; p 11

Brothers Transportation Company Tractor-er Collision and Explosion, ICC Report on, Trailer

Jan 4 p 9

Accounting:
CRI&P Freight Traffic Charges Pamphlet, Apr 19 p 5
Disbursement Accounting, Employee Training Needed
in, June 7 p 46
'Index to the Classification of Operating Expenses
of Steam Roads' Revised, Feb 15 p 12
Rental Accounting; NYC, Feb 22 p 66*
Service to Supervisors, Feb 8 p 70*
Universal Station Code Amended, June 7 p 46
Wanted: Potent Control Data, Jan 11 p 166*
Accounting Department's Relation to Other Branches of
Reliroading: Wilner of Essay Contest Sponsored by
Railway Age, Jan 25 p 13; Feb 8 p 70*
Accounts, AREA Report on, Mar 22 p 105
Addressograph Charge-Plate Credit Cards, May 17 p 110*
Addressograph Tricket Master', May 17 p 110*
Addressograph Tricket Master', May 17 p 110*
Addressograph Talking; UP, May 17 p 118*
Advertisements, Talking; UP, May 17 p 118*

Advertisements, Tatasing, U., 2007.

ASF Campaign to Tell How Railroads Benefit Industry, Feb 1 p 12

ABP Awards, May 3 p 8

AT&SF "San Francisco Chief", June 7 p 33*

B&M Theme for 1964, May 3 p 14*

Eastern Railroad Presidents Conference Program, Feb 22 p 5

Advertising Awards Competition Sponsored by Association of Railroad Advertising Managers, Jan 25 p 15; Mar 1 p 7

Advertising in the Industrial Press, Apr 19 p 50 Agricultural Improvement Car. of UP, Activities of, June 14 p 74

Agricultural Policy of the ARDA, May 31 p 10 Air Conditioning, German Engineers to Study, Mar 22 p 12 Air Coordinating Committee; Report to President Eisen-hower, June 7 p 14

Air Lines:
Airlift Capacity Increased, Feb 8 p 8
CAA Report on Airway User Charges, Feb 8 p 12
Fares, Higher, May be in the Offing, Mar 22 p 7
Non-Scieduled, Government Credit Extended to, Apr
12 p 5

12 p.5 Non-Scheduled, Refused Permission to Carry Mall, Jan 4 p. 10 Why So Much Mititary Traffic Moves by, June 28 p. 50*

Operations in 1953, Jan 4 p. 10

Passenger Fatality Rate in 1953, Jan 4 p. 10; May 17 p. 11

p 11
Revenue Per Passenger in 1953, Jan 4 p 10; May 17
Revenue Per Passenger in 1952, June 28 p 11
Revenue Per Passenger-Mile in 1953, June 28 p 10
Supreme Court Rules State May Tax Flight Equipment, June 14 p 12
S10-Air-Cacch NY-Washington Service Proposed, Mar
15 p 5

Air Mail (See Mail) Airport Development, R. B. Murray, Jr., on, Mar 22 p 9 Akron, Canton & Youngstown: Stock Split, Apr 26 p 38 Alarm Controls, Hammaclund, May 31 p 29

Alaska Freight Lines Denied Authority to Operate Between Pacific Coast and Guif of Mexico Ports, Jan 25 p 7 Alaska Rallroad: Department of Interior Survey, Mar 8

Allegheny Regional Advisory Board Meeting, Apr 5 p 12 Alled Chemical & Dye Corporation: Barrett Div.: Tarvia Bituminous Gel, Mar 15 p 58 General Chemical Div.: Sta-Klor Weed Killer, Mar 15

General Chemical Div.: Sta-Klor Weed Killer, Mar 15 p 58
Allis-Chalmers Motor Grader, Elevator Attachment for, Mar 22 p 66*
Alton & Southern: Wage Dispute, Jan 18 p 11
Aluminum Alloy Cars for the UP, Mar 8 p 58*; Correction, Apr 12 p America:
Aluminum Gompany of America:
Aluminum in Hopper Cars, Tests of, May 31 p 43*
Roofing, Lightweight, May 3 p 27*
Aluminum Lightweight Roofing, May 3 p 27*
Aluminum Lightweight Roofing, May 3 p 27*
Aluminum Lightweight Roofing, May 3 p 27*
American Association of Passenger Traffic Officers: Interim Meeting, May 17 p 75
Merican Brake Shoc Company:
Dunn, Kempton, Succeeds M. N. Trainer as President, Jan 25 p 15*
Journal Bearing Research Laboratory, May 3 p 40*
American Car & Foundry Company: (See also ACF Industries, Inc.)

Journal Bearing Research Laboratory, May 3 p 40°
American Car & Foundry Company: (See also ACF Industries, Inc.)
Car, Flat, for T-0-F-C Service, May 31 p 9
How a Passenger Car is Built, May 17 p 116°
Name Changed to ACF Industries, Inc., Mar 1 p 12;
June 7 p 15
Subway Cars Ordered by New York City Transit
Authority, Feb 22 p 15
Train Travel Booklet, Apr 23 p 5
UP Chair, Sleeping, Dining, Dome Cars, Mar 8 p
55°, Correction, Apr 12 p 9
American Economic Association: Session on National
Transportation Policy, Jan 11 p 13; Jan 25 p 46f
American Hoist & Berrick Company:
Rope Croud Front, Apr 3 p 32°
Shovel, Model 730 Crane and Rock, Mar 15 p 56°
American Institute of Electrical Engineers:
Comparative Performance—Rectifier-Type Locomotives
vs. Diesels, Mar 8 p 67°
Rectifier Motive Power—Inductive Coordination Considerations, Mar 8 p 67°
What Price Diesel Maintenance?, Feb 8 p 68°
Whater Meeting, Jan 4 p 12
American Locker Company: Liggage Cart Rental Service,

American-Korean Foundation: "Help Korea Train", Apt 12 p 8
American Locker Company: Luggage Cart Rental Service, May 17 p 111*
American Locomotive Company:
Atomic Energy Products Department, June 14 p 16
Diesel Rebuild and Repair Service, Feb 1 p 13
Locomotive, Rodel DL-600 All-Purpose, Mar 1 p 22*
Marketing Organization Established, Feb 8 p 84*
No Longer a "Specialty" Firm, May 3 p 10
Progress Report on the Coal-Burning Gas-Turbine
Locomotive, Apr 19 p 44*
10-Millionth Horsepower Delivered to MP, May 24
p 40*

p 40* Warehouse for Diesel Parts at St. Louis, May 24 p 40* American Products Company: Paint Roller Kit, Feb 22 p

American Railway Bridge and Building Association: Plans for Annual Convention, May 24 p 13 American Railway Car Institute:

Freight Car Orders and Deliveries, Jan 18 p 30; Peb-15 p 12; Mar 15 p 74; Apr 10 p 12; May 17 p 137 Let's Budget Car Building, May 31 p 32*; June 28 p 23, p 303 Long-Term Equipment Planning Policy Needed, Ayr 15 p 67*

p 23, p 30t
Long-Term Equipment Planning Policy Needed, A, v
5 p 67*
American Railway Development Association, Annual Meeting, May 3 p 14; May 31 p 10
American Railway Engineering Association:
Board of Direction, Mar 22 p 92*
Committee Chairmen, Mar 22 p 96*
Engineers Face Changing Times—Keynote at Annual
Meeting, Mar 22 p 90*
Manual Revisions, Mar 22 p 100
Panoramic Look at Technical Sessions, Mar 22 p 93*
Program for Annual Meeting, Mar 15 p 44*
Report on Buildings, Mar 22 p 98, p 100
Report on Cooperative Relations with Universities,
Mar 22 p 105
Report on Economics of Railway Labor, Mar 22 p 94,
p 97, p 103
Report on Economics of Railway Location and
Operation, Mar 22 p 105
Report on Impact and Bridge Stresses, Mar 22 p 100
Report on Maintenance of Way Work Equipment, Mar
22 p 103
Report on Masorry, Mar 22 p 99, p 100
Report on Masorry, Mar 22 p 99, p 100
Report on Roadway and Ballast, Mar 22 p 105
Report on Roadway and Ballast, Mar 22 p 105
Report on Roadway and Ballast, Mar 22 p 106
Report on Roadway and Ballast, Mar 22 p 106
Report on Track, Mar 22 p 97, p 100
Report on Track, Mar 22 p 97, p 100
Report on Track, Mar 22 p 97, p 100
Report on Track, Mar 22 p 97, p 100
Report on Track, Mar 22 p 97, p 100
Report on Track, Mar 22 p 97, p 100
Report on Track, Mar 22 p 97, p 100
Report on Track, Mar 22 p 97, p 100
Report on Track, Mar 22 p 97, p 100
Report on Track, Mar 22 p 97, p 100
Report on Track, Mar 22 p 97, p 100
Report on Track, Mar 22 p 97, p 100
Report on Track, Mar 22 p 97, p 100
Report on Track, Mar 22 p 97, p 100
Report on Track, Mar 22 p 97, p 100
Report on Track, Mar 22 p 97, p 100
Report on Track, Mar 22 p 97, p 100
Report on Track, Mar 22 p 97, p 100
Report on Track, Mar 22 p 97, p 100

American Railway Engineering Association:—(Continued)
Report on Wood Bridges and Trestles, Mar 22 p 99,
p 100

Report on Wood Bridges and Trestles, Mar 22 p 99, p 100
Report on Wood Preservation, Mar 22 p 98
Report on Yards and Terminals, Mar 22 p 100, p 103, p 105
Track Committee, Dinner in Honor of, June 14 p 13*
American Society of Traffic & Transportation: Changes in Officers; Meeting Dates Announced, Jan 4 p 12
American Standards Association to Develop Standards for Pallets, Mar 29 p 7
American Steel Foundries: Advertising to Teil How Railroads Benefit Industry, Feb 1 p 12
American Train Dispatchers Association: Wage Settlement Reached, Feb 3 p 81; June 21 p 9
American Trucking Associations:

Motor Truck Traffic in 1953, Jan 4 p 10; Mar 22 p 7
Private Carrier Conference Wants Trailers-on-Flats
Service, Apr 26 p 11
Review of Motor Truck Industry in 1953, Jan 4 p 10
American University;
Foreign Transportation Institute, Seventh, May 3 p 48

Industrial Transportation and Traffic Management
Institute, Sixth, Feb 8 p 18
Rail Transportation Institute, Eighth, Feb 8 p 18;
Mar 22 p 13, p 15; Apr 5 p 11, p 75; Apr 12 p 7*
American Wood-Preservers' Association: Annual Meeting,
May 3 p 44*
Amesteam Bollers Shipped to Estrada de Ferro Santos A
Jundial, May 17 p 11*
Amoritzation of Defense Facilities:
DTA Recommends Faster Amortization for Freight
and Passenger Cars, Mar 29 p 7; Apr 26 p 11;
May 10 p 10; May 17 p 123
ODM Extends Amoritzation Arrangements to Passenger
Cars, Mar 29 p 7; Apr 26 p 11; May 10 p 10
ODM Extends Time Limit on Six Expansion Goals,
Apr 26 p 11

ODM Extends Time Limit on Six Expansion Goals, Apr 26 p 11 Terminal and Road Facilities Expansion Goal Re-opened by ODM, Feb 22 p 15 Van-Car Corporation Gets Certificate for, Jan 18 p 27 Anaconda Wire & Cable Company: Easily Pulled Cable, Apr 19 p 36 Animas Canyon Rail Road Company Being Formed, Feb 22 p 5

Annual Report Tables for Individual Roads, Apr 5 p 82;

Annual Report Tables for Individual Reads, Apr 5 p 82;
May 3 p 17
Annuities (See Railroad Retirement System Operations)
Ansui Chemical Company: Firefigiting Classes, Apr 5 p 15
Antifreeze Corrosive-Effect on Cars; B&LE Tests, Jan 18
p 22*
Antitrust Suits:
Coupler Manufacturers, Jan 11 p 125
Pennsylvania Motor Truck Association, Mar 15 p 7;
June 28 p 5
Appleton Circuit Breakers with Their Own Enclosures,
May 24 p 22*
Apprenticeship Conference to be Held in Manchester, Vt.

Apprenticeship Conference to be Held in Manchester, Vt., May 17 p 148 Arkansas & Louisiana Missouri: R. F. Humble Elected President, Feb 8 p 85

Army (See United States Department of the Army)
Ash Separator Development on the Coal-Burning GasTurbine Locomotive, Apr 19 p 44*

Associated Business Publications: 1954 Awards, May 3 p 8
Associated Research, Inc., High Voltage Tester, Fcb 8 p

Association of American Railroads:

ociation of American Railroads:
Accounting Division:
Annual Meeting, June 7 p 46*

"Index to the Classification of Operating Expenses of Steam Roads" Revised, Feb 15 p 12
Board of Directors, J. M. Symes Elected to, June 7 p 15
Broadcasting Plans Indefinite, June 14 p 11
Bureau of Railway Economics:
Earnings Report for November, Jan 11 p 248;
Jan 18 p 12; December, Feb 15 p 9;
January, Mar 15 p 10; February, Apr 12 p 11;
March, May 10 p 7; April, June 7 p 13
Material Frice and Wage Index, 1939-33, Jan 11 p 118, p 212; January, Apr 12 p 11; April, June 7 p 14
Operating Efficiency Records in 1953, Mar 29 p 8
Purchases: Years 1923-53, Apr 19 p 9
Car Service Division:
Car Distribution Formula—Should It Be Re-

rvice Division: ir Distribution Formula—Should It Be Re-vised?, Jan 25 p 50* unparison of Shippers' Estimates and Actual Loadings in Fourth Quarter of 1953, June 7

Londarison of Shippers Estimates and Action Londarison of Shippers Estimates and Action Londard Londar

[Illustrated articles are indicated thus*; Editorials thust; Letters to Editor thust]

Bogue Electric Manufacturing Company: Plant at Paterson, N. J., Apr 26 p 12*

Bolt, Bethlehem Rock Anchor, Mar 15 p 55* Bond Financing in 1953, Jan 11 p 156 Borst, L. J., Atomic Locomotive Plans Bereloped by, Feb 15 p 3; Feb 22 p 15*; June 14 p 55*

Boston & Providence Reorganization Proceedings, Jan 25 p 17 Brake Ream Safety Support; Grip Nut Co., June 28 p 44* Brake Regulator (See Slack Adjuster) Brake, Westinghouse Type AK, for A. C. Motors, Feb 8 p 56*

Brakes, Air ICC Postpones Effective Date of AB Brake
Order for Camp and Work Cars, Apr 19 p 5
Braking, Dynamic, on Consolidated Mining & Smelting
Company's Electric Locomotive, June 28 p 21*
Brandon Equipment Company:
Brandon Equipment Company:
System for End-Loading Trailers on Flats, Mar 22 p
65*

Amesteam Boilers Shipped to Estrada de Ferro Santos A Jundiai, May 17 p 11* Jungle Railroad and Port Facilities to be Developed, Mar 29 p 30

Boston & Maine: Advertising Theme for 1954, May 3 p 14* Summer Timetables, May 24 p 40

Association of American Railroads:—(Continued) Freight Claim Division: Claim Payments in 1953, Freight Claim Division: Claim Payments in 1953, Apr 19 p 19
Freight Loss and Damage Presention Section Research Pays 0ff. Apr 26 p 9
Journal-Bearing Lubrication Study, Feb 15 p 36°
LCL Research Group, Progress Report of, Apr 5 p 12
Locomotives on Order and Installed, Feb 1 p 28; Mar 1 p 12; Apr 5 p 78; Apr 26 p 35; May 24
Mechanical Division:

Meeting Cancelied, Feb 8 p 18
Reports to be Acted on in June, Feb 22 p 12
Mechanical Research Laboratory in Chicago, Feb 15
p 31°
Mechanical Research Laboratory in Chicago, Feb 15
Meetinus of Various Sections Carellone Company of the Company of Meetings of Various Sections Cancelled, Feb 8 p 18; Mar 29 p 30
Protective Section: National Railroad Police Academy Conducted by, Apr 26 p 12; May 31 p 14*
Purchases and Stores Division:
Annual Meeting, June 14 p 68*
Essay Contest Winners, June 14 p 71
General Committee, June 14 p 69*
Program for Annual Meeting, May 31 p 13
"Railroad Hour" to 60 off the Air, June 14 p 11
Railway Mail Transportation Division Established, Feb 15 p 8; May 17 p 118
Research Moat's New in, Feb 15 p 24*, p 34*
Signal Section: Officers, Jan 11 p 214
"Squeeze-Test" Machine for Passenger Cars Acquired, May 17 p 5 May 17 p 5 tion of Interstate Commerce Commission Practition Association of interstate Commerce Commission Practitioners: Annual Meeting, May 3 p 14; June 7 p 8*
Association of Railroad Advertising Managers:
Advertising Awards, Jan 25 p 15; Mar 1 p 7
Annual Meeting, Jan 25 p 15; Mar 1 p 7
Atchison, Topeka & Santa Fe;
Cars, All-Welded Gondola, May 10 p 27*
Cars, Dome-Coach, Considered for "El Captain", Mar 22 p 5 22 p 5
Cars, Dome-Lounge, Feb 15 p 7* Apr 5 p 58*
Cars, Full-Length Dome, Feb 15 p 7*; Apr 5 p 58*
Dieselization Completed, Mar 15 p 5
Journal Bearings, Satco-Lined, Refrigerator Cars
Equipped with, Mar 15 p 11
Kansas Centennial Exhibit Train, Apr 26 p 9*
Model Railroad in San Bernardino Shops, Apr 5 p 8*
Radio in Locomotive Cab Controls Power Switch
Mar 15 p 85*
Radio Installation is Systemwide, Apr 19 p 40*
Rail Welding Program, Feb 8 p 85
Roadway Restoration Operations, Jan 25 p 47*
"Sen Francisco Chief" Promotional Program, June
7 p 33*
Union Shop Levality Test Case, Jan 18 p 11; Feb 15 Union Shop Legality Test Case, Jan 18 p 11; Feb 15 p 7; Feb 22 p 7; Apr 5 p 9; May 10 p 13†; June Onon shop Legality Fact Case, Jan 18 p 11: rol to p 7; Feb 22 p 7; Apr 5 p 0; May 10 p 137; June 14 p 37;

Athey Dual Purpose Hi-Loader. May 3 p 27*
Atlantic & Danville: L. D. Curtis Elected President, Apr 5 p 85; May 17 p 140*
Atlantic Coast Line:
Facilities at Sanford, Fia., Improved, May 31 p 38*
Gradalls, Use of, May 10 p 23*
Sign, Illuminated, at Port Tampa, Jan 4 p 26*
Atlantic States Shippers Advisory Board Meetings, Jan 18 p 9; May 17 p 10
Atlantic Steel Company: Diesel Locomotive Utilisation,
Mar 15 p 13*
Atlant Cast Manufacturing Co.: 65-Ton Diesel Pusher
Locomotive, June 14 p 48*
Atomic Bondo Drill, Railroads' Part in, June 21 p 8
Atomic Bondo Drill, Railroads' Part in, June 21 p 8
Atomic Motive Power—An Editorial Appraisal, June 14 p 58 Atomic Mot Locomotive Powered by, Developed by L. J. Borst,
Feb 15 p 3; Feb 22 p 15*; June 14 p 58*
Possible Effect on the Railroads; J. R. Menke on,
Mar 22 p 91
Atomic Energy Power Plants Small Enough to be Transported on Railroad Cars, Bendix Aviation Corporation Undertakes Research on, June 14 p 7 Atomic Energy Products Department Set Up by Alco, June 14 p 16 Austin, Dwight, Co.: Adjustable Headrest Seat, May 17 p 110° Austin-Western New Hydraulic Crane, Jan 25 p 42°; June 28 p 43° Automobile Loader, Evans 6-Car, Mar 8 p 55*; May 31 Auto-Rail Travel Promotion Increased, May 17 p 106*
Awards: (See also Safety Awards)
Associated Business Publications, May 3 p 8
Associated Business Publications, May 3 p 8
Association of Railroad Advertising Managers, Jan 25
p 15; Mar 1 p 7
Federation for Railway Progress, Mar 1 p 11; Mar 15
p 9*; Apr 5 p 76*
Preedoms Foundation, Mar 8 p 78
National Association of Suggestion Systems, to IC,
Jan 4 p 12
National Defense Transportation Association, to
A. H. Gass, May 17 p 140*
Pennsylvania Award, to W. S. Franklin, Jan 25 p
"Plant America" Award, to TP&W, Jan 11 p 17*
Ssisberg Medal, to T. H. MacDonald, Apr 26 p 10
Travel Promotion, to UP, Jan 11 p 212*

Bridges:
Cut-off, Mar 15 p 48*
Stresses, AREA Report on, Mar 22 p 99
Wood, AREA Report on, Mar 22 p 99, p 100 Babcock & Wilcox Co.: Water-Tube Boiler for N&W Coal-Burning Steam-Turbine-Electric Locomotive, May 31 p 9* Baggage Cart Bental Service, May 17 p 111* Baggage Checking Lockers; NYNH&H, June 7 p 38* Baggage Handling Service at Pittsburgh, PRR, Apr 5 p Stresses, AREA Report on, Mar 22 p 99
Wood, AREA Report of, Mar 22 p 99, p 100
British Railways:
Catenary Structures, Adjustable, Jan 4 p 22*
Locomotive, Coal-Burning Gas-Turbine, to be Tested,
June 28 p 23
Passenger-Carrying Costs, May 17 p 957
Brotherhood of Locomotive Engineers: Wage Negotiations,
Jan 11 p 117; Jan 18 p 10; Jan 25 p 14; Feb 8
p 81; Mar 29 p 8; Arbitration Agreed to, Apr
5 p 9; May 3 p 7
Brotherhood of Locomotive Firemen & Enginemen:
Duties of a Fireman on Multiple-Unit Diesel Locomotives, Arbitration Board Opinion on, Jan 11 p
117; Apr 10 p 13
To Seek Further Wage Increase, June 14 p 13
Wage Agreement Reached, Jan 11 p 117; Jan 18 p 10
Brotherhood of Maintenance of Wage Employees Seeks to
Stabilize Employment, Jan 11 p 116; May 17 p 5
Brotherhood of Railroad Trainmen:
Brotherhood of Railroad Trainmen:
Stabilize Employment, Jan 11 p 116; May 17 p 5
Brotherhood of Railroad Trainmen: Baggage Handling Service at Pittsburgh, PRR, Apr 5 p
16
Baker-Baulang "Yardloader" Truck, Jan 11 p 102°
Balancing Machine, Gisholt Dynetric, Jan 11 p 101°
Balancing Machine, Gisholt Dynetric, Jan 11 p 101°
Baldwin-Lima-Hamilton Corporation:
Cars, Dump, for SP, May 3 p 7°
N&W Coal-Burning Steam-Turbine-Electric Locomotive, May 31 p 9°
Slock Reacquired from Westinghouse, June 7 p 16
Ballast, AREA Report on, Mar 22 p 91, p 100
Ballast, AREA Report on, Mar 22 p 91, p 100
Ballast Car, Fairmont Center Flow for, Mar 22 p 65°
Ballast Car, Fairmont Center Flow for, Mar 22 p 65°
Ballast Car, Fairmont W77 Serles, Mar 15 p 51°
Ballast Caner, Puilman-Standard Power, Better Distribution for, Mar 15 p 53°
Ballast Operations Mechanized on N&W, Mar 8 p 61°
Ballast Operations Mechanized on N&W, Mar 8 p 61°
Ballast Equilator, Scarifier and Power, Kershaw Redesigned, Mar 15 p 54°
Ballastinere & Oblo;
Car, Dining, Modernized, June 28 p 67°
Credit Card Program, Jan 25 p 13
Passenger Fare Reductions, Feb 22 p 16; Mar 22 p 15
Seat for Children's Use in Diners, May 17 p 111° 3 p 5 age Increase and Working Rules Changes Sought Wage Increase and Working Rules Changes Sought June 14 p 13 Brotherhood of Raliway Carmen: Wages of Freight Carmen Increased, Jan 11 p 116 Brotherhood of Raliway Clerks: Format of Magazine Changed, Jan 25 p 8 Brown & Bigelow Calendar Features Railroads, Jan 11 p 214 Passenger 15 Brotherisod of Railway Clerks: Format of Magazine Changed, Jan 25 p 8
Brown & Bigelow Calendar Features Railroads, Jan 11 p
Bucket. Caterpillar Flexible Two-Position, Mar 22 p 66*
Buda Model P Track Drill, Apr 19 p 36*
Budd Company:
Advertising Award Won by, Jan 25 p 15; Mar 1 p 7
AT&SF Coaches, Apr 5 p 58*
AT&SF Comelounge Cars, Feb 15 p 7*; Apr 5 p 58*
Fouche, Carel, et Cie, Buys Interest in, May 24 p 40
How a Passenger Car is Built, May 17 p 116*
Queensland Government Railways to Buy Rail Diesel
Cars, May 24 p 40
Siesta Coach, Public Reaction to, May 24 p 12;
NYC to Buy 10, May 24 p 40
Buigets (See Improvement Programs)
Buildings: (See also such headings as Shops, Stations,
Terminals, etc.)
AI&A Repart on, Mar 22 p 98, p 100
AAR Mechanical Research Laboratory in Chicago,
Feb 15 p 34*
ACL Facilities at Sanford, Fla., May 31 p 38*
Caterpillar Plant at York, Pa., May 31 p 10*
KCS Yard Office Building at Shreseport, June 21 p
10*
Landscaping as a Good-Will Builder, June 14 p 54*
SULSW to Build Offices at Tyler, Mar 8 p 58* 15
Seat for Children's Use in Diners, May 17 p 111*
"Steam Runners Society" Formed, May 3 p 14
Trailers-on-Flats Service, June 14 p 9; Tariff
Suspended, June 21 p 7; June 28 p 10, p 49†
Bangor & Aroostook: Bonds Bought from RFC, Apr 12 p Baseball Teams' Rail Travel in 1954, Apr 19 p 7
Battery, Sonotone Sintered-Plate Type Storage, Feb 8 p Bearings (See Journal Bearings; Roller Bearings) Bell (See Locomotive Bell) Bell (See Locomotive Bell)

Benchmarks and Yardsticks, Jan 11 p 105; Jan 25 p 43;

Feb 8 p 53; Feb 22 p 73; Mar 8 p 68; Mar 22 p 89; Apr 5 p 66; Apr 19 p 50; May 3 p 30; May 17 p 123; May 31 p 45; June 14 p 57; June 28 p 56 p 56
Bendix Aviation Corporation:
Bendix Radio Division:
AT&SF Systemwide Installation, Apr 19 p 40*
How Radio Helps the T&P, Feb 15 p 17*
Research Undertaken on Small Atomic Energy Power
Plants, June 14 p 7
Besler, Charles, Company: Washington, D. C. Union Station Train Information Board, May 17 p 112*
Bessemer & Lake Eric:
AAR Study of Rail Curve-Wear Problem, Feb 15 p
25.* KCS Yard office Building at Shreveport, June 21 p
10*

Landscaping as a Good-Will Builder, June 14 p 54*
SLLSW to Build Offices at Tyler, Mar 8 p 85*
Builkheads, Brandon Self-Gripping, May 31 p 25*
Builetin Board for Crews; Washington, D. C., Union
Station, May 24 p 13*
Builetin Board, Train Information; Washington, D. C.
Union Station, May 24 p 13*
Burping Post, Durable Model D, Apr 19 p 35*
Burpingre, R. N., on the Rate Making Rule, Feb 8 p 60†
Bus Transportation: Tax Exemption for City Transit
Services Proposed, June 14 p 7
Business Machine Methods (See; Accounting; Office
Equipment; Statistics)
Business Week: Analysis of Transportation Problem. Tests of Corrosion from Calcium Chloride Applied to Coal and Ore to Prevent Lading from Freezing to the Car. Jan 18 p 22*

Bethlehem Steel Company:
Cars, Roller-Bearing Hopper; WM, Apr 26 p 38*
Heat Treatment of Special Trackwork at Steelton Plant, Apr 5 p 70*
Rock Anchor Bolt, Mar 15 p 55*
Staten Island Yard Sets Record, Feb 8 p 82
Switch Stand, Mar 15 p 52*
Bibs, Paper, for Children; SAL, May 17 p 113*
Bills in Congress, Jan 18 p 8
Bituminous Coal Research, Inc.: Locomotive Development
Committee: Progress Report on the Coal-Burning
Gas-Turbine Locomotive, Apr 10 p 38*
Blaw-Knox Highway Crossing, Mar 15 p 60*
Block Signaling)
Boeing Gas-Turbine Power Plant Used in Switching Locomotive for Transportation Corps, Jan 25 p 52*
Bogue Electric Manufacturing Company: Plant at Paterson,

Business Week: Analysis of Transportation Problem, Mar 29 p 4

C

Cab Signaling on CB&Q; Chicago-Aurora, June 28 p 51* Cab Signaling Installations in 1963, Jan 11 p 172 Cable, Silver Dutrax: Cleaner Surface Makes Installation Easier, Apr 19 p 36

Underground Feeder ((Nepconol), May 24 p 22* n Chloride; Corrosion Tests to Determine Effect on Coal and Ore Cars; B&LE, Jan 18 p 22*

Camino, Placerville & Lake Tahoe: Diesel Locomotive to Pay Out in Six Years, Apr 5 p 13*

Camps, Mobile, House Trailers for, Apr 5 p 51

pps, Moonie, House Traillers for, Apr 5 p 51
ada:
Class-Rate Seale, New, Mar 15 p 9
Freight Car Loadings, Jan 11 p 15; Jan 18 p 12; Jan
25 p 13; Feb 1 p 9; Feb 8 p 17; Feb 15 p 10;
Feb 22 p 14; Mar 1 p 13; Mar 8 p 78; Mar 15 p
10; Mar 22 p 10; Mar 20 p 27; Apr 5 p 12; Apr 12
p 11; Apr 26 p 12; May 3 p 8; May 10 p 7; May
17 p 137; May 24 p 7; May 31 p 13; June 7 p 14;
June 14 p 12; June 21 p 10; June 28 p 10
Grade Crossing Protection Program, Mar 22 p 7
Motor Truck Operation, Provinces to Retain Control
of, Apr 5 p 11; May 17 p 15
Non-Operating Employees Seek Fringe Benefits, Feb
1 p 6; Conciliation Board's Report Rejected, May
24 p 7

Railway Construction in 1953, Jan 11 p 210
Railway Developments in 1953, Jan 11 p 196*
Rate Equalization Developments, Jan 11 p 198; Mar
15 p 9
"Social Dividend" of the Railways to, May 24 p 4

Canadian Car & Foundry Company: CNR Coaches, Mar 22 p 74*, p 84*

Canadian National:

Bar Harbor-Yarmouth Ferry Agreement, Mar 8 p 14
Budget for 1954, Apr 5 p 80
Car, Flat, for Handling Wheels, Mar 8 p 9*
Car, Forest Conservation, Mar 15 p 12*
Car, 'Picture Window' Box, for Claim Prevention
Work, Apr 26 p 10*
Cars, Passenger, Use of, Mar 22 p 74*, Sleeping,
Parlor, Dining, Buffet, p 78*, Coaches, p 84*
Enginemen, Some, Prop Five-Day Week, June 7 p 13
Lines, Two New, Planned by, May 17 p 11
Passenger Traffic Officers Discuss Educational Program,
Mar 1 p 10
'Queen Mary' Passengers Travel to Halifax by
Train Because of Dock Strike, Apr 5 p 5; Apr 12
p 34*
Rates, Truck-Competitive, Apr 20 p 5 p 34*
Rates, Truck-Competitive, Apr 26 p 5
Sherridon-Lynn Lake Line, Feb 22 p 17, p 54*
Supervisory Personnel, Work Evaluation Studies for,
June 14 p 14
Television Program Features Gaspe Region, Apr 19
p 12** p 12* Trailers-on-Flats Service Expanded, Jan 11 p 17; Apr Trailers-on-Flats Service Expanded, Jan 11 p 17; Apr 12 p 5
Travel Market Survey, Mar 22 p 77
Year 1953, Jan 11 p 199*
Canadian Pacific:
Rate Increase Refused, Feb 22 p 16; Mar 15 p 9;
Mar 29 p 29
Rate of Return Base of 6½ % Rejected, Feb 22 p 16; Mar 15 p 9; Mar 29 p 29
Steamship Service on Arrow Lakes Abandoned, Mar 22 p 7
Trailers-on-Flats Service Expanded, Jan 11 p 17; Apr 12 p 5
Year 1953, Jan 11 p 199*
Canadian Railway Club: Executives at Annual Dinner, Feb 22 p 12*
Capital Expenditures:
§18 Billion Seen Possible by C. L. Dearing, Apr 5
p 76

28 p 9 Monthly: September, Feb 8 p 80; October, Mar 15 p 89: December, Apr 5 p 85 69; December, Apr 5 p 55 Year 1933, Jan 11 p 146* Years 1941-53, Jan 11 p 8*, p 120 Capitalism and Socialism, Distinction Between, Jan 11 p 1405

Estimates for 1954, Jan 11 p 146; Apr 19 p 11; June

capitaism and socialism, Distinction Between, Jan 11 p
195
Capitalization Changes in 1953, Jan 11 p
155
Car Building:
Manufacturing in Railroad Shops; G. Metzman on,
May 31 p
32*; June 28 p
23, p
30‡
Rutland Budgets, June 28 p
23, p
30‡
Scheduling of Purchases Proposed by G. Metzman,
May 31 p
32*, June 28 p
23, p
30‡
Car Building Industry:
DTA Seeks to Encourage, Mar 29 p
7; Apr 26 p
11
"Feast or Famine" Nature of, June 21 p
11*
Car Ferry Service Between Florida and Cuba Started by
Suwannee Trainferry Lines, Jan 25 p
12
Car Miles Revenues in 1952, Mar 15 p
7
car Miles; How Goes the Direct Route Plan? Apr 19 p
40
Car Numbers, Equipment for Recording, Mar 8 p
71*
Car Retarder Installations in 1953, Jan 11 p
172
Car Service:
Car Distribution Formula—Shealt. 11 p
180

Car Service:
Car Distribution Formula—Shealt. 11 p
180

Car Parise Car Parise

Car Distribution Formula—Shealt. 11 p
180

Car Parise

Car Distribution Formula—Shealt. 11 p
180

Car Parise

Car

Car Service:

Car Distribution Formula—Shoult It Be Revised?,
Jan 25 p 36*
Dalton Plan, Report on, Apr 26 p 10
Direct Route Plan, How Goes the, Apr 19 p 49
Questions and Answers on, Jan 4 p 14, p 18* Jan
18 p 14; Feb 1 p 18; Feb 15 p 30; Mar 1 p 16;
Mar 15 p 16; Mar 29 p 16; Apr 12 p 17; Apr 26
p 16; May 10 p 14; May 24 p 16; June 7 p 30;
June 21 p 27
Car Service Orders, ICC, Jan 4 p 14; Jan 11 p 18
Car Service Rules; Quiz on, Jan 4 p 14, p 18*; Feb 15 p
30

Car Spotting Bill Favored by NITL Introduced, Mar 8 p

Car Spotting Bill Favored by NITL Introduced, Mar 8 p

13
Car Supply:
Freight:
Car Distribution Formula—Should It Be Revised?, Jan 25 p 50*
Car Service Division Reports on, Feb 1 p 11;
Mar 8 p 10; Mar 29 p 6; Apr 26 p 10; May 31 p 9; June 14 p, 11

DTA Program, Status of, Mar 29 p 7; Apr 26 p 11

Deliveries: December, Jan 18 p 30; January, Feb 15 p 12; February, Mar 15 p 74; March, Apr 19 p 12; April, May 17 p 137

Distribution of 1952 Traffic by Types of Cars, Feb 22 p 17

Economics of, More Inquiry Needed into, Mar 1 p 21*7

Estimate of Expenditures in 1954, Jan 11 p 148

Estimate of Needs for Next 5 Years, Apr 26 p 35

p 21*†
Estimate of Expenditures in 1954, Jan 11 p 148
Estimate of Needs for Next 5 Years, Apr 26 p 35
Estimate of Production in 1954, Jan 11 p 148
"Feast or Famine" Nature of Car Buying, June

21 p 11*

Installations: Year 1953, Feb 1 p 11; January,
Mar 8 p 11; April, May 31 p 9

Installations: Years 1947-53, Jan 11 p 120

60 Order: January 1, Jan 18 p 30; February 1,

Feb 15 p 12; March 1, Mar 15 p 74; April

1, Apr 19 p 12; May 1, May 17 p 138

10 Orders (ARCI-AAR): December, Jan 18 p 30;

January, Feb 15 p 12; February, Mar 15 p

74; March, Apr 19 p 12; April, May 17 p 138

Orders: Comparison with Ton-Miles, Mar 1 p

21*

21*

Car Supply:—(Continued)
Freight:—(Continued)
Orders in 1953, Jan 11 p 184*
Orders, 1936-53 (Chart), June 21 p 11*
Orders (Railway Age): December, Jan 4 p 26;
First Quarter. Apr 5 p 78
Ownership, 1947-53, Jan 11 p 120
Pooling of Box Cars Would Solve Per Diem Squabble, June 14 p 363;
"Pullman Pool" Suggested, June 28 p 30‡
Replacement of; G. Metzman on, Feb 15 p 12;
Long-Term Planning for, Apr 5 p 67*
Scheduling of Purchases Proposed, May 31 p 32*; June 28 p 23, p 30‡
Search for Facts Should Pay, Apr 12 p 19†
Passenger:

Passenger: Installations, First Six Months of 1953, Jan 11

p 121
Long-Term Planning Policy Needed, Apr 5 p 68
OIM Extends Amortization Arrangements to,
Mar 29 p 7; Apr 26 p 11; May 10 p 10; May
17 p 123
On Order, July 1, 1953, Jan 11 p 121
Orders In 1953, Jan 11 p 158*
Orders (Kailway Age): First Quarter, Apr 5
p 78
Ownership on July 1, 1953, Jan 11 p 121

p. 78 Ownership on July 1, 1953, Jan 11 p. 121 Pian to "Motibball" Old Cars, Jan 18 p. 27; May 10 p. 10; May 17 p. 123 Pullman Cars in Service, Number of, May 17 p.

115
Purchase of 4500 Cars Proposed by J. K. Knudson, Jan 18 p 27
Shortage of; J. K. Knudson on, Jan 18 p 27;
Mar 20 p 7; Apr 26 p 11; May 10 p 10; May 17 p 123

Carrier Associations: Regulations Governing Participation in ICC Cases Proposed, June 7 p 9 Cars, Freight:
Auto Loader, Evans 6-Car, Mar 8 p 53*; May 31 p 9

Box:

CNR "Picture Window", Apr 26 p 10*

DSS&A Merchandise, Jan 18 p 11*

Plastinali Flooring for, Jan 4 p 20*

Pullman-Standard, with Cushion Underframes,

Mar 8 p 79

Upgrading with Plastic Spray, June 21 p 3

Cabooses; Illinois Terminal, Mar 15 p 11*

Doorposts, Nailable Steel, Apr 19 p 48*

Dump; SP, May 3 p 7*

Flat:

ACF, for T-0-F-C Service, May 31 p 9 Box:

Flat:
ACF, for T-O-F-C Service, May 31 p 9
CNR, for Handling Wheels, Mar 8 p 9*
CRI&P Depressed-Center, June 28 p 7*
General Motors Will Not Build Trailer Transport Cars, June 7 p 5
Pullman-Standard All-Purpose, Apr 26 p 11;
May 31 p 35*
Southern, with Roller-Bearings, May 24 p 25*
Formula for Establishing Ownership Costs; AAR, Feb
22 p 65
Gondola:
ATESE All-Welded May 10 p 27*

lola: AT&SF All-Welded, May 10 p 27* Movable Partitions Tested on C&O, May 10 p 8*

Movable Partitions Tested on C&O, May 10 p 8* Hopper:
Aluminum in, Tests of, May 31 p 43* Antifreeze Corrosion Tests; B&LE, Jan 18 p 22* WM Roller-Bearing, Apr 26 p 38* Obsolete, When are Old Cars, Mar 15 p 43† Grders (See Car Supply: Freight)

Orders (See Car Supers).

GRNW Converted Mechanical, June 7 p 40°
Mileage Rates Increased in 1953, Jan 11 p 123
PFE to Build 200 Mechanical, May 24 p 40
Satco-Lined Journal Bearings, AT&SF Equips
Cars with, Mar 15 p 11
Tank, for Warm Liquid Chocolate, June 28 p 8°

Cars with, Mar 15 p 11
Tank, for Warm Liquid Chocolate, June 28 p 8*

5, Passenger:
AT&SF Coaches, Apr 5 p 58*
AT&SF Coaches, Dome Coaches for "El Captain",
Mar 22 p 5
B&O Bome-Lounge, Feb 15 p 7*; Apr 5 p 58*
B&O Modernized Diner, June 28 p 67*
Cars, Queensland Government Rallways to
Budd Slesta Coach, Public Reaction to, May 24 p
12; NYC to Buy 10, May 24 p 40
CNR New Equipment, Mar 22 p 74*; Sleeping, Parlor,
Dining, Buffet, p 78*; Coaches, p 84*
C&O "Chessic Club" Lounge, Mar 22 p 16
C&NW Double-Deck Suburban, Mar 1 p 25*
Clearance Requirements, AAR Lean Tests to Determine, Feb 15 p 27*
Cost, Per Seat, Compared with Automobiles and
Buses, May 17 p 96*
Decign, Trends in, May 17 p 108*
GN Orders Dome Cars, Feb 15 p 12
How a Passenger Car is Built, May 17 p 116*
M-K-T Stainless-Steel Coach, May 10 p 4; May 24
p 78*
NYNH&H Ignitron M-U, Mar 15 p 66*; May 3 p 9*

M-K-T Stainless-Steel Coach, May 10 p 7, 20a) p 27°

NYNH&H Ignitron M-U, Mar 15 p 66°; May 3 p 9°

NYNH&H "Ski-Hut", Feb 22 p 13°

orders (See Car Supply)

PRR Automatic Buffet-Bar, Jan 18 p 9°

SAL Grill, Feb 1 p 10°

Self-Propelled, ICC Prescribes Inspection Rules for,
May 31 p 13

SP Orders Suburban "Gallery" Coaches, June 21 p 10 Stainless-Steel, Developed by Pullman-Standard Car Manufacturing Company, May 10 p 2; May 24 p 27* Subway, Ordered by NYC Transit Authority, Feb 22 p 15

Cars, Passenger:—(Continued)
UP Chair, Dining, Sleeping, Dome, Mar 8 p 58°;
Correction, Apr 12 p 9
UP Orders 20 More Dome Cars, Mar 22 p 16
UP-C&NW Tavern-Lounge ("The Pub"), Jan 25 p 12°
Weight, Per Seat, Compared with Automobiles and
Buses, May 17 p 95°;
Weight, Trend in, May 17 p 100°
Cars, Special:
Fairmont A32 Series Hy-Rail Motor, Mar 15 p 52°
Fairmont W77 Series Improved Bailast, Mar 15 p 61°
Forest Conservation; CNR, Mar 15 p 12°
Kochting Rail Propulsion, Improvements in, Mar 15
p 55°
NYNH-H (284-Mar) Esh 22 p 12°

Noehring hall Progession, Region of the Progession of the Progessi

Centennials:
Kertle Company, May 3 p 38*; June 28 p 11*
PRR Horseshoe Curve, Feb 8 p 90
Wabash Honored by Decatur, May 3 p 11*
Central of Brazil to Buy Equipment, Jan 4 p 12
Central of Georgia:
StL-SF Not to Acquire, Jan 18 p 6; Feb 8 p 8; May 17 p 5
Tarbutton, B. J., to Retire, June 21 p 12
Central Railroad of New Jersey: (See Jersey Central Lines)

17 p 5
Tarbutton, B. J., to Retire, June 21 p 12
Central Railroad of New Jersey: (See Jersey Central Lines)
Central States Motor Freight Bureau Asks ICC Ruling on "Piggyback" Questions, Feb 1 p 11
Centralized Traffic Control:
Instaliations in 1953, Jan 11 p 170
MP: Raddle, Ill.-Gale, Feb 1 p 23*
Southern; Ludlow, Ky-Tateville; Use of Alternate Sections of Single and Double Track, May 31 p 40*
"Trakode" System: General Railway Signal Company, May 31 p 42
Chamber of Commerce of the United States: Transportation Session at Annual Meeting, May 3 p 10
Charge-Plate Credit Card, Addressagraph, May 17 p 110*
Chart Recorders, Fielden, Feb 22 p 50*
Chenille Roll Journal Box Packing, May 31 p 29*
Chespeake & Ohio:
Board of Directors, Jan 25 p 13
Car, "Chessle Cub" Lounge, Mar 22 p 16
Car, Gondola, with Movable Partitions, May 10 p 8*
Charge-Plate Credit Card, May 17 p 110*
"Chessle Chib" Lounge Service, Mar 22 p 16
Expansion of Trans-Lake Michigan Operations Considered, Jan 4 p 5
Fares, Coach, Cut In Virginia, Apr 19 p 11
NYC Common Stock Sale Controversy, Mar 1 p 8;
Mar 8 p 9; Mar 22 p 11; Apr 12 p 10; Apr 26 p 8; May 3 p 11; May 10 p 10; May 17 p 14; May 24 p 12; May 31 p 12; June 7 p 5
New York Offices Closed, Feb 15 p 11
Passenger Sales, Building, Mar 29 p 26*
"Supply Pick-Up Train", May 24 p 30*
Termination of Allegiany Corporation's Control Reported to ICC, Feb 15 p 11
Young, R. R., Resigns from Board, Jan 25 p 12
Chicago:
C&WW Rejects Suburban Terminal Idea, May 17 p 9

Young, R. R., Resigns from Board, Jan 25 p 12
Chicago;
C&NW Rejects Suburban Terminal Idea, May 17 p 9
C&NW Terminal Shopping Center, May 17 p 12
Freignt Traffic in 1953, Apr 19 p 5
Railroads' Solution to "A" Bomb Attack, June 21 p 8
Chicago & Eastern Hilmols;
"Ladies Day" Fares a Hil, Mar 15 p 9
Sales Campaign Planned, May 24 p 7*
Chicago & Hilmols Midland, Strike on, Apr 12 p 12;
Apr 19 p 13
Chicago & North Western:
Car, Converted Mechanical Refrigerator, June 7 p 40*
Car, Tavern-Lounge ("The Pub"), Jan 25 p 12*
Cars, Double-Deck Suburban, Mar 1 p 25*
Chicago Suburban Terminal Idea Rejected, May 17 p 12

2 Chicago Terminal Shopping Center, May 17 p 12 "City of San Francisco" Extra Fare Dropped, May 31 p 5

31 p 5 Commuters Warned About Getting On or Off Moving

Commuters warned about cetting on or off Moving Trains, June 28 p 21* Divisions Reorganized, May 24 p 45 Excursion Fares; Chicago-Twin Cities, June 14 p 15 Family Fare Plan Extended, Feb 8 p 13 Ramp for End-Loading Trailers on Flats, Mar 22 p 65*

65°
Roof of Chicago Terminai to be Raised, May 22 p 12
Trailets-on-Flats Service:
Complaint Filed Against, June 28 p 10
Savings Due to, Mar 22 p 5; May 24 p 3
Service Extended for LCL Shipments, May 10 p

Truck-Competitive, Jan 18 p 27; Mar 8 p 16

Truck-Competitive, Jan 18 p 27; Mar 8 p 16
Chicago, Aurora & Eigh:
Sale of Right of Way, Feb 1 p 28; Feb 22 p 75; Mar
15 p 71
To Operate in Conjunction with Chicago Transit
Authority, Feb 1 p 28
Chicago, Burlington & Quincy:
Commutation Service Improvements, Feb 8 p 61*
Excursion Fares; Chicago-Twin Citles, June 14 p 15
FRP Passenger Service Award Won by, Apr 5 p 76*
Signaling, Wayside and Cab; Chicago-Aurora, June
28 p 54*

[Illustrated articles are indicated thus*; Editorials thust; Letters to Editor thust]

Chicago Great Western: Nailable Steel Doorposts, Apr 19

Chicago Great Western: Naliable Steel Doorposts, Apr 19 p 48*
Chicago, Indianapolis & Louisville:
Credit Card System Established with Department Store, June 28 p 24*
Locomotive Bell Presented to Indiana University, Jan 4 p 12*
Prise for Essay on "Inherent Advantages" of Railroads, Jan 18 p 13†
Chicago, Miwaukee, 84. Paul & Pacific:
Bensentille Yard Today, Feb 1 p 19*; May 24 p 163
Budget for 1954, Jan 4 p 29
Excursion Fares; Chicago-Twin Cities, June 14 p 15
Spokane Gateway Probe Sought, Mar 22 p 9
Station, Passenger, at Tacoma, June 21 p 30*
Yards at Milwaukee and Bensenville, Grades in, May 24 p 163.
Chicago, Rock Island & Pacific:
Bridges Built Ahead of Track on Atlantic Cut-Off, Mar 15 p 48*
Car, Depressed-Center Flat, June 28 p 7*
Cars, Box, Uggraded with Plastic Syray, June 21 p 3
Cooperative Traffic Committees Formed, Apr 12 p 8
Freight Traffic Charges Pamphiet, Apr 19 p 5
"Golden State" Estra Fare Reduced, Feb 8 p 14
Taigo-Type Train (Jet Rocket) to be Purchased, June 28 p 23, p 60*
Chicago, South Shore & South Bend:
Doors, Battered Hopper, a Cause of Claims, Apr 19 p 43*
Management Training Program, Feb 8 p 65*
Proxy Contest Won by Management, Apr 19 p 55
Chicago Transit Authority; Raiph Budd to Retire, June

Doors, Battered Hopper, a Caise of Claims, Apr 19
p 43**
Management Training Program, Feb 8 p 65**
Proxy Contest Won by Management, Apr 19 p 55
Chicago Transit Authority: Raiph Budd to Retire, June 14 p 14
Chilmen State Haliways to Buy Equipment, Jan 4 p 12
Chilmen, Van Packer Packaged Masonry, Mar 22 p 65
Circuit Breakers with Their Own Enclosures, Appleton,
May 24 p 22*
Circuity Limitation Order, Railroads Granted More Time
on, Jan 11 p 212; Feb 8 p 13
Civil Aeromautics Administration:
Report on Airway User Charges, Feb 8 p 12
Review of Aviation Industry in 1953, Jan 4 p 10
Civil Aeromautics Board:

Aeronautics Board: Extension of Three-Cent Mail by Air Sought, Feb 15 p 8 Helicopter Service Authorized in Miami Area, Feb 15

p 5
Proposal to Combine CAB with ICC, June 7 p 9
Refuses to Allow "Non-Scheds" to Carry Mail, Jan
4 p 10
"Service" Mail Rates Reopened, Mar 29 p 28

"Service" Mail Rates Reopened, Mar 29 p 28
Claims:

Doors, Battered Hopper, as a Cause of, Apr 19 p 43*
Payments in 1952, Apr 19 p 19
Payments on Cost. Basis Proposed, Mar 1 p 26\$
Clark Equipment Company:
"Clarktor 75" Towing Tractor, Mar 8 p 54*
Michigan Tractor Shovel, Jan 4 p 15*
Pul-Pac and Pusher Units Redesigned, June 14 p 48*
"Pulploader"; Lift-Truck Attachment, Feb 22 p 49*
To Build New Plant Near Bestion Harbor, Feb 22 p 79
Class Rates:
Canadian Class-Rate Scale, New, Mar 15 p 9
Railroads Granted More Time on Circuity Limitation
Order, Jan 11 p 212; Feb 8 p 13
Clean Car Problem, Mid-West Shippers' Board Acts on,
Apr 20 p 9
Cleaners:

Cleaners:

Sellers Diesel Locomotive Truck Cleaner, Jan 25 p 41°
Sellers Fuel 0il Tank Cleaner, Jan 25 p 41
Clearance Requirements, AAR Lean Tests on Passenger
Equipment to Determine, Feb 15 p 27°
Cleveland, Cinchmati, Chicago & 8t. Louis: Low Jobs for
Top Drawer Steam Locomotives, Mar 1 p 12°
Cleveland Union Terminal: New Ticket Office Counter,
Jan 11 p 14°
Clock Regulator, IBM, May 17 p 92°
Coach Yard at New Orleans Union Passenger Terminal,
Apr 26 p 29°
Coal Pipe Line to be Built by Pittsburgh Consolidation
Coal Company, May 10 p 4
Coatings:

Coatings:
Allied Chemical & Dye Tarvia Bituminous Gel, Mar
15 p 38
Dearborn No-Oxid "400", Mar 15 p 57
Powdered Metal, for Electrodes, Mar 15 p 52*; June

28 p 44 gree, May 24 p 21*

28 p 44
Turco, May 24 p 21*
USS 'Blakled', Apr 19 p 36
College Men on the Raliroads:
AREA Report on Cooperative Relations with Universities, Mar 22 p 105
University of Michigan Conference on Selection and Training of Management Personnel, Feb 22 p 9*

(See Accidents)

Colombia: National Railways to Buy Freignt Colombia: National Railways to Buy Freignt Color Scheme for New CNR Passenger Cars, Mar 22 p 76 Colorack & Southern: NSC Contest Winner, May 31 p 11 Colors Make Cars Modern and Appealing, May 17 p 16 Columbia University Executive Conferences, Jan 11 p 214 Committee of Railroad Suppliers Organised, June 28 p 9 Committee on Railway Mail Transportation Absorbed by AAR, Feb 15 p 8; May 17 p 118 Commodities Clause in IC Act Applicable to Pipe Lines Proposed in Senate Bill, Mar 15 p 12

Common Carriers (See Competitive Transportation)
Communication Systems: (See also Radio; Train Communication; Yard Communication)
Bill to Give ICC Authority Over, Jan 11 p 128
Car Numbers, Equipment for Recording, Mar 8 p 71*
Installations in 1953, Jan 11 p 178*
New Orleans Union Passenger Terminal, Apr 26 p 32*
RCA to Enter Railroad Field, Mar 29 p 29
Radio Telephone for Use Between On-Track Equipment and Flagmen, Mar 15 p 53*
Wabash Yard at Decatur, Mar 8 p 71*
Community Relations:
Caverly, G. A. Lauds, June 14 p 11
Eastern Railroad Presidents Conference Expands Program, Jan 11 p 16; Apr 5 p 16; June 14 p 11
Jersey Central's New Passenger Schedules Based on
Railroad-Community Relations, Jan 18 p 27; June
14 p 67*
Landscaping as a Good-Will Builder, June 14 p 54*

Landscaping as a Good-Will Builder, June 14 p 54*
Commutation Service (See Passenger Service: Suburbar

Commuters Warned by C&NW About Getting On or Off Moving Trains, June 28 p 21*
Company Materials, Holding Cars of, Mar 29 p 16\$
Company Materials, Holding Cars of, Mar 29 p 16\$
Company Materials, Holding Cars of, Mar 29 p 16\$
Competitive Situation in 1953, Jan 11 p 130
Competitive Situation in 1953, Jan 11 p 130
Competitive Transportation: (See also Mail Traffic)
Bicker, H. E. on, Apr 5 p 10; June 14 p 10
CNR Truck-Competitive Rates, Apr 26 p 5
C&NW Truck-Competitive "Piggyback" Service, Jan
18 p 27; Mar 8 p 16
Common Carriers, Preservation of; Comm. Arpaia on,

18 p 27; Mar 8 p 16
Common Carriers, Preservation of; Comm. Arpaia on,
Apr 5 p 11
Common Carriers Should Join Forces, June 14 p 10
Common Carriers' Situation, C. L. Dearing on, Jan
11 p 13; Jan 25 p 46†
Common Carriers' Troubles, ICC Warns of, Feb 15
p 23†
Common Carriers' Troubles, ICC Warns of, Feb 15
p 23†

Common Carriers Floodies, R.C. Warns of, Pee 7 p. 257
Common or Private Carriers; H. Freas on, June 7 p. 8
How the New Rates Look, June 28 p. 688
How to Get Really Competitive, May 24 p. 257
McLean Trucking Company Seeks Approval of "Sea-Land" Service, Feb 22 p. 14
Motor Truck Operators Feel Impact of Rails "Com-petitive Pricing", May 24 p. 4
REA and Parcel Post, Mar 8 p. 70
REA and Parcel Post, Mar 8 p. 70
Romas, R. E., on, Feb 8 p. 11
Traffic Sufficient to Support All Carriers, Says J. K.
Knadson, June 14 p. 10
Truck-Competitive Rates on Roofing, Mar 22 p. 5; Mar
29 p. 25*
Trucking Service Good, Says Warren Brown, Feb. 22
p. 14

Trucking Section 1. Trucki

Consignor-Carrier-Consignee Round-Up Held in Detroit,
Apr 19 p 169
Consolidated Freight Classification: ICC Reports on Cases
Involving Rules 34 and 10, Feb 22 p 16
Consolidated Mining & Smelting Company: Electric Locomotive with Dynamic Braking, June 28 p 21*
Consolidated Railroads of Cubs. Developments on the, Jan
11 p 195*
Construction, New: (See also New Facilities at end of Index)

Index)
ACL Facilities at Sanford, Fla., May 31 p 38*
Bridges Built Ahead of Track on CRI&P Atlantic
Cut-Off, Mar 15 p 48*
CNR Sherridon-Lynn Lake Line, Feb 22 p 54*
CMSURAP Bensenville Yard, Feb 1 p 19*; May 24
a 164*

CMSPACE Betselbille 1 Tacoma, June 21 p 30*

CMSPAP Station at Tacoma, June 21 p 30*

New Orleans Union Passenger Terminal, Apr 26 p 22*, p 24*, p 26*, p 29*, p 30*, p 32*

PRR ore Unloading Facility at Philadelphia, Mar p 45*

SAL Yard at Hamlet, N. C., Mar 29 p 6*; Apr 12 p 14*; Apr 26 p 36

IP Yard at Kansas City, June 7 p 49

Year 1953, Jan 11 p 203*

Container and Locading Seminar to be Held by AAR, Apr Conventions, Importance of, Mar 22 p 89 Converors:

Section of the second of the s

Cooperative Relations with Universities, AREA Report on, Mar 22 p 105
Coordinated Mechanical Associations Cancel Fall Meeting, Mar 29 p 30
Coordinated Rail-Highway Service: (See also Trailer-on-Flat Car Service)
Fairmont A32 Service Hy-Rail Motor Car, New Body Styles for, Mar 15 p 52*
Rail-Truck Interchange of LCL, Shippers Polled on, Feb 22 p 17
Road-Rail Unit for US Army, May 17 p 92*
Coordinated "Sea-Land" Service Proposed by McLeau Trucking Company, Feb 22 p 14

Corrosion Tests to Determine Effect of Antifreeze on Cool and Ore Cars; B&LE, Jan 18 p 22* Cost Formula, AAR Freight Car Ownership, Feb 22 p 65

British Railways' Passenger-Carrying Costs, May 17

Posts naiseays resemble carrying custs, May 17
Current Accounting Methods do Not Give True
Picture of Rising Diesel Locomotive Maintenance
Costs, Feb 8 p 68°
Fuel, on Gross Ton-Mile Basis, for Steam, Electric
and Diesel Locomotives, Feb 1 p 9
Locomotives, Atomic and Diesel, June 14 p 63
Mechanized Rail-Laying on NYNIAH, Jan 18 p 18°;
Correction, Feb 8 p 82
New Orlean Union Passenger Terminal, Apr 26 p 24°
New York Metropolitan High-Speed Passenger Line
Proposed by Transportation Development Corporation, May 24 p 44
Operating Shorter, Faster Freight Trains, June 28
p 21

p 21 Pass

Pp 21ger Car Costs Per Seat. Compared with Automobiles and Buses, May 17 p 957
Plastinali Flooring for Box Cars, Jan 4 p 20*
Specific, Information Needed on, May 3 p 337
The Renewals, in 1952, Feb 1 p 9
What Price Passengers?, May 17 p 957
Cotton Shipments, Fires in, to be Studied by Stanford Research Institute, May 10 p 4
Coupler Manufacturers Antitrust Case, Jan 11 p 125
Court Decisions (See Legal Decisions; United States Supreme Court Decisions)

Austin-Western Hydraulic, Jan 25 p 42*; June 28 p

Austin-Western Hydraulic, Jan 25 p 42*; June 28 p 43*

Gantry, for Handling Rall; TP&W, Feb 22 p 17*
Kershaw Track, Mar 15 p 58*
STL-SF Cranes Go Diesel, Mar 29 p 18*
Credit Card Program; B&O, Jan 25 p 13
Credit Card System with Department Store Established by Cl&L, June 28 p 21*
Credit Card, Addressograph Charge-Plate, May 17 p 110*
Crew's Bulletin Board; Washington, D. C., Union Station, May 24 p 13*
Crews, Traveling, Trailers for, Apr 5 p 51
Crossett Chemical Company: Diesel Locomotive Performance, Mar 1 p 9*
Crossings, Highway Grade:
Accidents (See Accidents)
Blaw-Knox Metal, Mar 15 p 60*
New Orieans Union Passenger Terminal Project, Apr 26 p 22*, p 30*
Protection Installations in 1953, Jan 11 p 171
Protection Program, Enlarged, Proposed for Canada, Mar 22 p 7
Protection Program in Illinois, Mar 22 p 88*
Crosstles (See Ties)
Crouse-Hinds Explosion-Proof Light Fixture, May 31 p 25*

Crouse-Hinds Explosion-Proof Light Fixture, May 31 p 25* Cub Scout Railroad Program Tentatively Scheduled for

Crouse-Hinds Explosion-Proof Light Fixture, May 31 p 25*
Cub Scott Railroad Program Tentatively Scheduled for
1955, June 14 p 7
Cuba's Railroads, What's Abead for, Jan 11 p 195*
Current Publications, Jan 11 p 94; Feb 8 p 47; Feb 22 p
41; Mar 8 p 49; Mar 15 p 41; Mar 22 p 110; Apr
5 p 45; Apr 19 p 31; May 3 p 35; May 17 p 87;
May 31 p 36; June 14 p 40; June 28 p 46
Cutler-Hammer Three-Coil Starters, June 11 p 44*

Dalton (Ga.) Car Service Plan, Apr 26 p 10
Davenport-Besler Gas-Turbine Switching Locomotive for
the Transportation Corps, Jan 25 p 52*
Bearhorn Chemical Company: No-Oxid "400" (Rust Preventive) Mar 15 p 57
Bearing, C. L., on the Common Carriers' Situation, Jan
25 p 46f*
Decath Valley Scotty", Death of, Jan 18 p 6
Decentralization of Industry Discussed at ARDA Meeting,
May 31 p 10
Defense Transport Administration:

May 31 p 10

Defense Transport Administration:
Amortization, Faster, for Freight and Passenger Cars,
Recommended, Mar 29 p 7; Apr 26 p 11; May 10
p 16; May 17 p 123

Appropriation for 1954-55, Feb 1 p 12; Apr 5 p 10;

Appropriation for 1954-55, Feb 1 p 12; Apr 5 p 10; Apr 26 p 11 Car Building Industry, Seeks Encouragement for, Mar 29 p 7; Apr 26 p 11 Car Building Program, Status of, Mar 29 p 7; Apr 26 p 11

Clarke, Owen, Named Administrator, Mar 29 p 6; May 31 p 14* Knidson, J. K., to Retire, Mar 22 p 14* Purchase of 4500 Passenger Cars Proposed by J. K Knudson, Jan 18 p 27 Staff Changes, Apr 26 p 10

Delaware, Lackawanna & Western: Employee Magazine Issued, Jan 11 p 16; Apr 12 p 3 Labor-Management Meeting to Discuss Annual Report,

Apr 12 p 9

Trailers-on-Flats Service, May 24 p 6; June 14 p 5;
Tariff Suspended, June 21 p 7; June 28 p 5, p 10,

Derailments (See Abcidents)
Deragulation: (See also Transportation Policy)
Bikler, H. E., on, Apr 5 p 10; June 14 p 10
Rrown, Warren W., on, Apr 5 p 10; June 14 p 10
White, William, on, Feb 15 p 11
Detergents May Take Place of Sand to Prevent Wheet
Silp, June 7 p 5
Diamond Power Specialty Corporation: Utiliscope TV
Equipment Used by PRR, May 3 p 42*
Diamond Power Specialty Corporation: Utiliscope TV
Equipment Used by PRR, May 3 p 42*
Diphragms, Vestibule, in Color Soon Available, May 17 p 111*
Dictating Machine, "Travel-Talk", May 17 p 10
Dictating Machine, M Derailments (See Accidents) Electrodes: Dulub, Missabe & Iron Range; F. J. Voss Named President, June 7 p 50; June 21 p 36*

Dulub, Missabe & Atlantic; Merchandise Cars, Jan 18 p 11*

du Pont de Nemours & Co., E. I.; Giasselli Chemicals Department: Telsar W (Weed Killer), Mar 15 p 51

Durable Model D Bumping Post, Apr 19 p 35*

Durham & Southern:

Barnett, R. M., President of, May 24 p 49

Disselization Program, Feb 22 p 17

Dynamic Braking (See Braking, Dynamic)

Ifynetric Balancing Machine, Gisholt, Jan 11 p 101*

Е Earnings (See Net Income; Net Railway Operating Income)
Earth-Moving Equipment:
American Holst & Derrick Crane and Rock Shovel,
Mar 15 p 55°; Rope Crowd Front, Apr 5 p 52°
AT&SF Roadway Restoration Operations, Jan 25 p 47°
Athey Dual Purpose Hi-Loader, May 3 p 27°
Caterpillar Flexible Two-Position Bucket, Mar 22 p Caterpillar Improved Tractors, Mar 15 p 57* Gradalls, How the ACL Uses, May 10 p 23* Hancock Elevator Attachment for Motor Graders, Mar 22 p 66* Gradulls, How the ACL Uses, May 10 p 23°
Hancock Flevator Attachment for Motor Graders, Mar 22 p 66°
Lekoi Model TLF-150 Loader, Mar 15 p 50°
Michigan Tractor Shovel, Jan 4 p 15°
TP&W Ditch-Cleaning Project, Mar 1 p 14°
Warner & Swasey Improved Gradul, Mar 15 p 56°
Eastern Railroad Presidents Conference:
ACT Demand for an Investigation of Railroad Subsidies, Reply to, May 31 p 13
Advertising Program Will Tell Story of Overregulation, Feb 22 p 5
Community Relations Program Expanded, Jan 11 p 16; Apr 5 p 10; June 14 p 11
Pennsylvania Motor Truck Association Antitrust Suit Against, Mar 15 p 7; June 28 p 5
Study Comparing Wages of Railroad and Other Industries, Feb 22 p 7
Eastern Railroads, Ponsylvania Motor Truck Association Antitrust Suit Against, Mar 15 p 7; June 28 p 5
Eastern Railroads to Cut Iron and Steel Rates, Jan 18
p 27; ICC to Investigate, Mar 20 p 28; Chart Shows Pattern of, June 28 p 68°
Eastern Reilroads to Use Differential Charging in Rate Making, Apr 5 p 574°, p 75
Eastern Reiboard Apprenticeship Conference, May 17 p 148
Eckhart Seed Company Conveyor Delivers to Trackside on SP, Feb 8 p 74°
Economic Conditions of 1953 Weren't Normal, Mar 22 p 94, p 97, p 103

Economics of Railway Labor, AREA Report on, Mar 22 p 94, p 97, p 103 Economics of Railway Location and Operation, AREA Report on, Mar 22 p 105

Educational Programs (See College Men on the Railroads; Training of Employees) "Elastic" Track Used in France, Feb 8 p 72* Electrical Highlights of 1953, Jan 11 p 176*

Electrification:
Catenary Structures, Adjustable, Developed by British
Engineers, Jan 4 p 22*
Current Trends in, Jan 11 p 177
GN Studies Its Operations, May 24 p 7

Electrodes:
GE Contact Welding, Mar 8 p 54*
Lincoln Jetweld, Mar 15 p 52; June 28 p 44
Electronic Computers, Value to Railroads of, May 3 p 15
Electronic Control Equipment for New York City Subways,
Mar 15 p 70

Electronic Time System, IBM Self-Regulating, May 17 p 92* Electroplating, Hard Chrome, on the N&W, Jan 4 p 23* Elevator Attachment for Motor Graders, Hancock, Mar 22 p 66*

Employee Magazines:
ACF Devotes Issue to Train Travel, Apr 26 p 5
DL&W to Publish, Jan 11 p 16; Apr 12 p 3
Erie Magazine 50 Years Old, Mar 29 p 27; Apr 12
p 11²

of "Railway Clerk" Changed, Jan 25 p 8 Cover on Maine Central Magazine, May 16 p Format of "R Three-D Cover

Employee Relations (See Human Relations) Employee Suggestion Systems: IC Wins "Fabwodi", Jan 4 p 12 Wins Award for

Employees: (See also Supervisors) CNR Enginemen, Some, Drop Five-Day Week, June 7 p 13
Canadian Non-Operating Employees Seek Fringe Benefits, Feb 1 p 6; Conciliation Board's Report Rejected, May 24 p 7
Diesel Firemen Arbitration Case, Jan 11 p 117; Apr 19 p 12

Maintenance of Way Employees Seek to Stabilize Employment, Jan 11 p 116
Non-Operating Unions' Demands (See Non-Operating Unions' Demands for Fringe Benefits)
Number of: Years 1944-53, Jan 11 p 115
ORC&B Seeks Basic 171-Hour Month for Pullman Conductors, Jan 18 p 11: Feb 8 p 81; Apr 5 p
5: Apr 19 p 7; Arbitration Board Report, June 7 p 13
Union Short (See Union Short)

5: Apr 19 p 7; Arbitration Board Report, June 7 p 13

slop Shop (See Union Shop)
ge Cases:
American Train Dispatchers Association Agreement, Feb 8 p 81; June 21 p 9

BofLe Negotiations, Jan 11 p 117; Jan 18 p 10;
Jan 25 p 14; Feb 8 p 81; Mar 29 p 8;
Arbitration Agreed to, Apr 5 p 9; May 3 p 7

BofLe-Re Agreement, Jan 11 p 117; Jan 18 p 10;
To Seek Further Increase, June 14 p 13

BRT to Seek Wage Increase and Working Rules
Changes, June 14 p 13

Demands of Operating Unions, Jan 11 p 117;
Jan 18 p 19

Freight Carmen Granted Increase, Jan 11 p 116

ORC Agreement on Wages and Vacations, Feb 15
p 7

ORC Seeks Graduated Wage Seals, Lower Seals, Lower Seeks Increase and Increase, June 14 p 17

ORC Seeks Graduated Wage Seals, Lower Seeks Increase and Increase, June 14 p 17

ORC Seeks Graduated Wage Seals, Lower Seeks G

p 7 ORC Seeks Graduated Wage Scale, Jan 11 p 117; Jan 18 p 11; Feb 15 p 7 PRR Settlement with Shop Employees, Jan 18 p 11
Review of Events in 1953, Jan 11 p 116, p 183
Switchmen Reject Railroads' Offer, Jan 11 p
117; Jan 18 p 11; Jan 25 p 14; Feb 8 p 81;
Mar 29 p 4; "Trainmen" Package Accepted,
May 3 p 8
Yardmasters Seek Increase, Jan 18 p 11; Feb 8
p 81; Feb 22 p 7; May 24 p 4

es: Comparison of Railroad and Other Industries, Feb 22 p 7 Compensation, Years 1940-53, Jan 11 p 115; Apr 19 p 7 19 p. 7 Cost-of-Living Increases in 1953, Jan 11 p. 116 Escalator Wage Adjustment, No Change in, Jan 4 p. 12 Index of Wage Rates, 1939-53, Jan 11 p. 118, p. 212 Working Rules (See Working Rules)

Employment:
Decline in, Mar 1 p 13
Maintenance of Way Employees Seek to Stabilize, Jan
11 p 116; May 17 p 5
Why so Many, Jan 4 p 18*

Compty Car Miles, Why so Many, Jan 4 p 18* Crigine Terminal at New Orleans Union Passenger Terminal, Apr 26 p 29*

Engineering Society of Detroit: Transport Lectures, Apr 19 p 12 Engineers, Future of Railroading a Challenge to, Mar 22

Diesel; "Straight-Line" Cleaning on Wabash, Jan 25 n 53*

p. 53* Straight-Line" Cleaning on Wabash, Jan 25 p. 53* Kohler Clutch-Equipped Model K160C, Mar 15 p. 60* Equipment Depreciation Rates, Mar 15 p. 71 Equipment Trust Issues Sold in 1953, Jan 11 p. 154 Erie:

Cars, Flat, for Future Piggyback Use, Mar 8 p 79 Employee Magazine, 50th Anniversary of, Mar 29 p 27; Apr 12 p 11* Ford Assembly Plant at Mahwah, N. J., May 17 p 12* Trailers-on-Flats Service, May 24 p 6; June 7 p 7; June 14 p 5; Tariff Suspended, June 21 p 7; June 28 p 10, p 49†

Essay Contests:

Accounting. Sponsored by Railway Age; Winner of, Jan 25 p 13; Feb 8 p 70° s.

'Inherent Advantages' of Railroads, Conducted by Railway Age, Jan 18 p 13† P&S Division, Winners of, June 14 p 71 Reducing Irrentories and Reducing Transportation in Non-Revenue Service, Sponsored by Railway Age, Apr 5 p 69

[Roy] V. Wright, Winners of, Jan 25 p 13°; Sixth Contest Announced, Apr 19 p 12

Estada de Ferro Santos A Jundial, Amesteam Bollers Shipped to, May 17 p 11°

Evans Products Company:

Auto Loader, 6-Car, Mar 8 p 53°; May 31 p 9

Road-Rail Conversion Equipment Developed for Army Vehicle, May 17 p 92°

Exercady No. 7253 Spot-Flood Plasbilght, Jan 11 p 102°

Executive Conferences Sponsored by Columbia University, Jan 11 p 214

Executive Order Lesued in 1942 to Exempt from the Compulsory-Retirement-at-79 Rule All Presidential Appointees Who Were Then Serving Indefinite Terma Revision Libertial Tiluminated, Dramatize Free Enterprise, May 17 p 13°

Explosives, Transportation of: Recommendations for Amending ICC's Rules for Motor Trucking of, Jan 4 p 19

Fairbanks, Morse & Co.:
Electronics Division Organized, Apr 26 p 38
Equipment for C&NW Converted Refrigerator Car,
June 7 p 47
Locomotive, Train Master, Operating Efficiency of,
June 28 p 21
Track Exhibit at Kansas City Pump Plant Dedication,
May 31 p 12*
Fairmont Haliway Motors, Inc.:
Ballast Car, W77 Series Improved, Mar 15 p 61*
Hy-Rail Motor Car, A32 Series, New Body Styles for,
Mar 15 p 52*
Plow, Center, for Ballast Cars, Mar 22 p 65*
Family Fare Plan (See Passenger Fares)
Fan, M & E Spray Room Exhaust, Mar 22 p 66*
Fares (See Passenger Fares)
Federal Waterways Corporation, Inland Waterways Corporation Purchased by, Jan 11 p 131; Mar 15 p 74
Federation for Railway Progress;
Annual Awards, Mar 1 p 11; Mar 15 p 9*; Apr 5 p
76*
Annual Dimoer, Apr 5 p 76*

76*
Annual Dinner, Apr 5 p 76*
Atwell, W G., Assistant to Chairman, June 28 p 10*
Fellowship Program, Jan 25 p 7
McGregor, D., Joins Executive Council, Feb 8 p 18
Young, R. R., Would Have AAR Join, Mar 1 p 11
Fees, Licensing, Proposed by ICC, Mar 1 p 8; Apr 5 p
10; Apr 12 p 8; Proceeding Suspended, May 10 p 8
Fellowship Program of FRP, Jan 25 p 7
Ferguson, Harry J., Company: Double End Belt Booster,
Jan 25 p 42*
Ferry Service Between Bar Harbor and Yarmouth, Agreement Signed for, Mar 8 p 14

Ferry Service Between Bar Harbor and Yarmouth, Agreement Signed for, Mar 8 p 14
Flat Railway Materials Section: Diesel M-U Trains for Spain and Portugal, June 14 p 57°
Fiberglass Covered Line Wire, Rome, May 31 p 25
Fielden Tektolog, Feb 22 p 50°
Flims (See Motion Pictures)
Filmsort Microfilm Projector for Finding Routes and Fares Fast, May 17 p 112°
Financing:

Filmsort Microfilm Projector for Finding Routes and Fares Fast, May 17 p 112*

Financing:
Stock Option Plans (See Stock Option Plans)
Stock Split Proposals (See Stock Split Proposals)
Year 1953, Jan 11 p 152*
Fire Detection System, Notifier Automatic, June 14 p 48*
Fire Detection System, Notifier Automatic, June 14 p 48*
Fire Extinguisher Car, Woolery, May 24 p 21*
Fire Wagon Developed by Reading, Feb 15 p 8*
Firefighting Classes; Annul Chemical Company, Apr 5 p 15
Fires in Cotton Shipments to be Studied by Stanford
Research Institute. May 10 p 4
Fixed Charges, Large Railways' Coverage of, Apr 5 p 81
Fixed Properties:
Engineer's Part in Adapting Plant to Changing Patterns of Traffic, Mar 22 p 90

ODM Reopens Expansion Goal for, Feb 22 p 15
Flasholt Damage, Implies Belay for Preventing, Feb 22 p 49*
Flood Halts Service on Spokane International, May 31 p 16
Flood Perlis Iova Rail Lines, June 28 p 12
Floodigit, Pyle-National Type 20175, May 17 p 91*
Flooring for Box Cars, Plastinall, Jan 4 p 20*
Florida East Coast:
Reorganization Proceedings, Jan 11 p 115; Apr 12

organization Proceedings, Jan 11 p 115; Apr 12

U. S. Supreme Court Rules ICC Cannot Force Merger as Part of Reorganization Plan, Jan 11 p 115; Apr 12 p 7

12 p 7 secondarization Flan, 3an 11 p 115, Apr 12 p 7 p 38** Ford Assembly Plant at Mahwah, N. J., May 17 p 12** Fored Property Plant at Mahwah, N. J., May 17 p 12** Forest Conservation Car; CNR, Mar 15 p 12** Formula for Establishing Freight Car Ownership Costs; AAR, Feb 22 p 65 Fort Dodge, Des Moines & Southern: Herald Redesigned, Jan 4 p 10** Hit by Floods, Jine 28 p 12 To Convert to Diesel Operation, Feb 8 p 73* Fouche, Carel, & Cle., Budd Company Purchases Interest In, May 24 p 40 Fourth Section (See Interstate Commerce Act; also Long-and-Short-Haul Clause)

[Illustrated articles are indicated thus*; Editorials thust; Letters to Editor thust]

France: T-6-F-C Equipment Promoted in U. S., June 7 p 45°; June 21 p 4
Frankin Balmar Automatic Slack Adjuster, June 14 p 44° Free Eoterprise (See Private Enterprise)
Free Markets, Political Tampering with, Apr 5 p 66
Free Transportation (See Passes)
Freedom's Foundation Awards, Mar 8 p 78
Freight Car Loading: (See laso Freight Handling)
Average Load, 1941-53, Jan 11 p 123
Company Materials, Holding Cars of, Mar 20 p 162
Qu'z on Selecting a Car for Loading Which Will Not.
Damage Certain Ladings, Apr 12 p 17; May 10 p 14; June 7 p 30
Shippers' Estimates Compared with Actual Loadings in Fourth Quarter of 1953, June 7 p 14
Shippers' Estimates for First Quarter, Jan 11 p 13; Second Quarter, Apr 5 p 16
Weekly Reports, Jan 11 p 15; Jan 18 p 11; Jan 25 p 13; Feb 1 p 9; Feb 8 p 17; Feb 15 p 10; Feb 22 p 14; Mar 1 p 13; Mar 8 p 78; Mar 15 p 10; Mar 22 p 9; Mar 29 p 8; Apr 5 p 12; Apr 15 p 10; Apr 19 p 11; Apr 19 p 11; Apr 29 p 12; May 3 p 8; May 10 p 7; May 17 p 137; May 24 p 6; May 31 p 13; June 7 p 14; June 14 p 12; June 21 p 10; June 28 p 10
Years 1944-53, Jan 11 p 112
Freight Car Performance: Years 1944-53, Jan 11 p 122; Mar 29 p 8
Freight Commodity Groups, Distribution of the Rail Revenue Contribution by, Jan 4 p 9
Freight Commodity Groups, Distribution of the Rail Revenue Contribution by, Jan 4 p 9
Freight Handling:
Bulkheads, Brandon, Self-Gripping, May 31 p 23°
Clark "Pulploader" Attachment for, Feb 22 p 40°
Evans 6-Car Auto Loader, Mar 8 p 53°; May 31 p 9
Ramp, Penco Magnesium Yard, May 31 p 20°
Freight Handling:
Bulkheads, Brandon, Self-Gripping, May 31 p 20°
Freight Handling:
Bulkheads, Brandon, Self-Gripping, May 31 p 20°
Freight Generaling Statistics: Getoher, Feb 8 p 50;
November, Feb 22 p 46; December, Mar 22 p 108;
January, Apr 10 p 16; February, May 17 p 158
Freight Handling:
Freight Handling:
Freight Stations (See Stations, Freight)
Freight Stations (See Stations, Freight)
Freight Handling:
Freight Generaling Statistics: Getoher, Feb 8 p 50;
November, Feb 22 p 46; December, May 22 p 108;
January, Apr 1

Group) Freight Tariffs:

Eastern Roads Propose Simplification of June 14 p 14 ICC Proposes to Ease Tariff-Posting Requirements, C Proposes Feb 8 p 13 ICC Proposes to Modify Rules, June 28 p 8

ICC Proposes to Modify Rules, June 28 p 8

Freight Traffic:
Chicago Gateway Traffic in 1953, Apr 19 p 5

Comparison with Freight Car Orders, Mar 1 p 21*t
Distribution by Types of Cars, in 1952, Feb 22 p 17

Employees Asked to Solicit, June 14 p 5

Fluctuations in, Compared with Production, 1928-52,
Mar 15 p 9; Mar 22 p 73†

How Lost Traffic Can be Turned into an Advantage,
Mar 22 p 73†

Impact of Ralis "Competitive Pricing" Felt by
Motor Truck Operators, May 24 p 4

Intercity Distribution, by Types of Carriers, 1939-52,
Apr 5 p 16*

Militant Program to Hold and Attract, Apr 5 p 57†

Ralironds' Ability to Handle Increased Steel Traffic
Under New Rates Questioned, Apr 5 p 77

Raliroads Should go "All Out" for, Jan 25 p 43

Traffic Decline—Reason for Gloom, or Opportunity?,
Feb 1 p 14†

Freight Train Performance:
Cost of Operating Shorter, Faster Trains, June 28 p

21

Years 1944-53, Jan 11 p 122; Mar 29 p 8

Years 1944-53, Jan 11 p 122; Mar 29 p 8

Years 1944-33, Jan 11 p 122; Mar 29 p 8
Freight Transportation Tax:
Drive for Repeal of, Feb 15 p 10; Mar 22 p 14
RBA Pamphilet Urges Repeal of, Apr 19 p 7
Freighthouses (See Stations, Freight)
French National Railways:
Test Train Runs 151 MPH, May 3 p 43*
Track, "Elastic", Developed, Feb 8 p 72*
Frisco Transportation Company: 1CC Finds Unconditional
Truck Certificates Were Issued Inadvertently, Jan

Truck Certificates Were Issued Inadvertently, Jan 4 p 11

Fruit and Vegetable Loading and Unloading Charges at New York and Philadelphia; Supreme Court Sends Case Back to ICC, Feb 8 p 13; June 28 p 7

Changing Picture in Railroad Service, Apr 12 p 25
Diesel Additive, Naico SR-158D, June 14 p 44
Propane Gas Used in UP Gas-Turbine Locomotive,
Apr 12 p 27
Purchases in 1953, June 14 p 70
What Fuel for Gas-Turbine Locomotives?, Apr 12 p
27

Fuel Comsumption Per Hour and Per Mile for Diesel and Coal-Burning Gas-Turbine Locomotives, Apr 19 p 47 Fuel Costs on Gross Ton-Mile Basis for Steam, Electric and Diesel Locomotives, Feb 1 p 9

Future of the Raliroaders, Mar 22 p 96
"Nothing in Sight to Supplant Trains", Feb 22 p 10
Outlook for 1954, Jan 11 p 11, p 1074, p 132
Parmelee, J. H., on, Mar 22 p 13
What to Worry About, Mar 29 p 174

Gardens (See Landscapins)
Gas-Turbine Locomotives (See Locomotives: Gas-Turbine;
also Locomotive Performance)
General American Tyansportation Corporation:
Car. Tank, for Handling Warm Liquid Chocolate,
June 28 p 8*
Officers, May 10 p 10*
General Electric Company:
Apparatus Service Shop and Warehouse Opened in
Philadelphia, Feb 8 p 82
CP< Diesel to Pay Out in Six Years, Apr 5 p 13*
Central of Brazil Locomotive Order, Feb 8 p 12*
Consolidated Mining & Smelting Company Electric
Locomotive with Bynamic Braking, June 28 p 21*
Electrode, Contact Welding, Mar 8 p 54*
Lamps, Fluorescent, June 28 p 44*
Lamps, Infrared, of New Design, June 14 p 48*
Lacomotive Rebuilding Facility at Erie, Mar 1 p 11
Mathies Coal Company Electric Locomotive, Apr 5 p
77*
Power Equipment for New York City Subway Cars
Sumiled by Ref 22 p 15*

Mathies Coal Company Electric Locomotive, Apr 5 p
77°

Power Equipment for New York City Subway Cars
Supplied by, Feb 22 p 15
Switch Enclosures, Lead-Plated, May 3 p 28°
Transistor (Germanium Diode) for Operating Model
Railroad, May 3 p 10°
Trinidad, Diesel Locomotives for, June 28 p 22°
UP Gas Turbine Locomotive, June 7 p 15°
Voit-Ammeter, Type CF-7, Feb 8 p 56°
Welder, Type WR-90A, May 24 p 21°
General Foods Corporation: Tank Car for Handling Warm
Liquid Chocolate, June 28 p 8°
General Motors Corporation:
Electro-Motive Division:
Cars, Trailer Transport, Will Not Manufacture,
June 7 p 5
15,000th Diesel Built By, Mar 15 p 14°
Jacksonville Branch Expanded, Mar 29 p 29°
25,000,000th Horsepower Built by, Jan 11 p 16°
General Railway Signal Company:

Jacksonville Branch Expanded, Mar. 29 p. 29°
General Railway Signal Company:
MP: CTC Installation, Feb. 1 p. 23°
New Orleans Union Passenger Terminal Signaling Equipment, Apr. 26 p. 32°
"Trakode" System Used in Southern CTC Installation, May 31 p. 40°
General Steel Castings Corporation: Plants and Operations of Feb. 22 p. 60°
Generators, Engine-Driven;
Kohler Model 15E61, Mar. 15 p. 58°
Kohler Model 15E64, Mar. 15 p. 58°
Kohler Model 5E64, Apr. 5 p. 51°
Onan Model 50KA, Feb. 8 p. 55°
Ready Power Company, 50, 30, and 20 Kw., Mar. 8 p. 54°
Generators, Motor:
GE CMG-162 axie-Driven, May 17 p. 91°
Safety Car Heating & Lighting B-1942-2 Set, Feb. 8 p. 55°
German Engineers Study Railway Air Conditioning, Mar. 22°

p 55* German Engineers Study Railway Air Conditioning, Mar 22

p 12 German Train of New Design, Mar 15 p 62*; Mar 29 p 10*

German Train of New Design, Mar 15 p 62*; Mar 29 p
19*
Germanium Diode Demonstrated by GE, May 3 p 10*
Gisbolt Model 38 Dynetric Balancing Machine, Jan 11 p
101*
Goggle, Willson Kover-Mor, Mar 15 p 54*
Goodyear Tire & Rubber Company: H&M "Speedwalk",
Feb 22 p 50*; June 14 p 11*
Government Eligibility for Section 22 Rate Reductions,
Bill to End, Mar 8 p 16
Government-Owned Railroad Offered to Private Enterprise,
Feb 8 p 81
Government Gwnership:
Brown, Warren W., on, Apr 5 p 15
Sanger, Wm. Cay, Jr., on, Mar 15 p 68%
Government Reorganization Study, Recommendations Made
in, Jan 11 p 130
Government Reparations Cases, ICC to Hold Oral Argument
on, Apr 26 p 5
Government's Responsibility for Maintaining the Defense
Portion of the Railroad Car Fliest, Mar 22 p 15
Government's Role in the Field of Transportation, Department of Commerce Study of, Mar 1 p 5; R. B.
Murray, Jr., on, Mar 22 p 9
Gradall, Warner & Swasey Improved, Mar 15 p 56*
Gradall, Warner & Swasey Improved, Mar 15 p 56*
Gradall, Warner & Swasey Improved, Mar 15 p 56*
Gradall, Warner & Swasey Improved, Mar 15 p 56*

Murray, Jr., 60, Mar 22 p 9
Gradall, Warner & Swasey Improved, Mar 15 p 56*
Gradalls, How the ACL Uses, May 10 p 23*
Grade Crossings (See Crossings, Highway Grade)
Graders, Motor, Elevator Attachment for, Mar 22 p 66*
Grain Rates, Ex-Lake, ICC Maintains Parity on, June 28
p 12
Grain Stored in Old Shiby, May 29 p 7

Grain Stored in Old Ships, Mar 29 p 7 Grand Trunk Western: Crossing Protection Program, Mar 22 p 89

Gravely Improved Mower and Tractor, Mar 15 p 58* Great Lakes Regional Advisory Board Meeting, Apr 5 p 77 Great Lakes Steel Corporation: Nailable Steel Doorposts, Apr 19 p 48*

Apr 19 p 48*

Great Northern:
Cars, Jome. Ordered, Feb 15 p 12
Electrified Operation Studied, May 24 p 7
"Empire Builder", 25th Birthday of, June 14 p 5
Family Fare Plan, Withdraws from, Mar 15 p 7
NSC Contest Winner, May 31 p 11
Safety Stickers. "Scotchiller", Apr 19 p 14*
Station at Sauk Centre, Minn., Jan 4 p 11*

Great Northern:—(Continued)
Stock Option Plan, Apr 12 p 34; May 24 p 44
Stock Split Approved, Mar 29 p 31; Apr 12 p 34;
May 24 p 44
Trailers-on-Flats Service, May 17 p 9; June 7 p 7*
Train Communication Being Extended, Mar 8 p 14*
Greybound Corporation:
Acquisition of Pennsylvania Greybound Authorized by 16C, June 28 p 24
Comment on Talgo Train, Jan 4 p 7
Grip Nut Brake Beam Safety Support, June 28 p 44*
Guardian Parcel Checking Lockers; NYNH&H, June 7 p 38*
Guif, Mobile & Ohio:
Little Rebelt Discontinued. Apr 12 p 9*
Tigrett, I. B., Beath of, May 10 p 9

Hallierafters Corp.: T&P Walkie-Taikies, Feb 15 p 18 Halverson Display Rack, May 24 p 22* Hammarlund Alarm Controls, May 31 p 29 Hancock Elevator Attachment for Motor Graders, Mar 22 p 66*

Hammarlund Alarm Controls, May 31 p 29
Hancock Elevator Attachment for Motor Graders, Mar 22 p 66°
Handle, Morton Type B-J Vestibule Curtain Release, May 17 p 92°
Hard Chrome Electroplating on the N&W, Jan 4 p 23°
Harnischfeger Zip-Lift Holst, Apr 19 p 35°
Harvard Business School: Railroaders Attending AMP Course, May 10 p 7°
Heat Treatment of Special Trackwork at Steelton Plant; Bethlehem Steel Company, Apr 5 p 70°
Heater, Westinghouse Gas-Fired Unit, Jan 4 p 15°
Heater Westinghouse Gas-Fired Unit, Jan 4 p 15°
Heater Westinghouse Gas-Fired Unit, Jan 4 p 15°
Heater Restinghouse Gas-Fired Unit, Jan 4 p 15°
Heater Restinghouse Gas-Fired Unit, Jan 4 p 15°
Heater Restinghouse Gas-Fired Unit, Jan 4 p 15°
Helmet, GE Plastic Welding, Mar 15 p 37°
"Help Korea Train", Apr 12 p 8
Heraid Redesigned by FIDIMAS, Jan 4 p 10°
Hertz Rent-a-Car System: Increase in Business Forecast, Jan 25 p 8
Heraid Redesigned by FIDIMAS, Jan 4 p 10°
Hertz Rent-a-Car System: Increase in Business Forecast, Jan 25 p 8
Highway Federal Aid for 1954-55 Apportioned, Jan 11 p 212; 1956 and 1957 Authorizations, May 10 p 4;
May 31 p 45
Highway Regulation, Canadian Provinces to Retain Control of, Apr 5 p 11; May 17 p 15
History of Kerite Company, May 3 p 38°
History (See also Centennials)
Hohart Constant-Voltage D.C. Arc Welder, Mar 8 p 51°
Homelite Model 5P Pressure Pump, Mar 15 p 60°
Hot Boxes (See Journal Rearings)
House Committee on Interstate and Foreign Commerce: Hearings on Bills to Liberalize the Railroad Retirement Act, Mar 22 p 11; June 14 p 11'
Hudson & Mamhattan: "Speedwalk" Belt Conveyor, Feb 22 p 50°; June 14 p 11'
Hudson & Mamhattan: "Speedwalk" Belt Conveyor, Feb 28
Superintendent" & Responsibility for, June 21 p 39
Feb 2 100 to 100 to

nan Ketations:
STL-SF Program, May 3 p 37*
Should the Man Seek the Job?, Mar 8 p 68
Superintendent's Responsibility for, June 21 p 39
tt Roller Bearings on Southern Flat Cars, May 24 p
35*

Hypot Junior Model No. 422 Tester, Feb 8 p 56 Hy-Rail Motor Car, Fairmont A32 Series, New Styles for, Mar 15 p 52* Hyster 15,000-lb. Lift Truck, Feb 22 p 50*

Ignitron Rectifier Locomotives; PRR, Mar 8 p 67*
Ignitron Rectifier M-U Cars; NYNH&H, Mar 15 p 66*;
May 3 p 9*
Illinois Central;
"Fabruodi" Wins Award from National Association of
Suggestion Systems, Jan 4 p 12
Stock Split and Stock Option Plans Proposed, Feb 22
p 77; Apr 5 p 84; Apr 26 p 38; May 31 p 16;
June 28 p 21
Suburban Service Shows Profit, June 14 p 5
Trestles, Three, Filled; Reevesville, III.-Big Way,
June 28 p 62*
Illinois Drive to Collect Taxes on Sales to Railroads, Feb
15 p 5
Illinois Grade Crossing Protection Program, Mar 22 p 88*
Illinois Terminal;

ois Terminal: Cabooses, All-Steel, Mar 15 p 11* Three Groups Show Interest in Acquiring, June 7 p 5

Impact, AREA Report on, Mar 22 p 99 Impact Master Barricade, Brandon, May 31 p 25* Improvement Programs: CMStF&P, Jan 4 p 29; MP, Jan 11 p 246

Independent Advisory Committee to the Trucking Industry: Investigation of Railroad Subsidies Urged, May 31 p. 13

Independent Military Air Transport Association Threatens Antitrust Action Against the Railroads, Feb 1 p 5

"Index to the Classification of Operating Expenses of Steam Roads" Revised by AAR, Feb 15 p 12 Index to Volume 135, Feb 15 p 8 India to Ruy Freight Cars and Locomotives with U. S. Aid, Jan 4 p 7; Jan 11 p 244; 120 Steam Locomotives Ordered, Feb 15 p 12 Indians Attack Brazil-Bollsia Rail Line, Mar 15 p 7 Industrial Development:

Dallas Industrial District, CRI&P and M-K-T Serve, Feb 8 p 14
Decentralization, ARDA discussion of, May 31 p 10 Ford Plant at Mahwah, N. J., May 17 p 12*
New Orleans Public Belt Project, May 17 p 11 Industrial Relations (See Human Relations)

Industrial Relations (See Human Relations)
Industrial Traffic Management Institute, Sixth, Feb 8 p

18
Industrial Trucks (See Trucks, Industrial)
"Inherent Advantages" of Railroads, Essay Contest on
Jan 18 p 137
Inland Waterways Corporation, Sale of, Jan 11 p 131;
Mar 15 p 74

Insignlas:
FIDM&S Redesigned, Jan 4 p 10*
Given as Cereal Premiums, May 17 p 12
WM Redesigned, Mar 29 p 8*
Insulation for Piping, Water-Resistant; Magnesia Insulation Manufacturers Association, May 17 p 92
Insurance Requirements, Higher, Asked on Truckers of Dangerous Commodities, Mar 22 p 5

Integrated Data Processing (See Office Equipment)
Interlockings:
Installations in 1953, Jan 11 p 170
New Orleans Union Passenger Terminal, Apr 26 p 32*
Wabash Yard at Decatur, Mar 8 p 69*

International Brotherhood of Boilermakers & Blacksmiths: W. A. Calvin Named President, June 28 p 9

International Business Machines Corporation: Self-Reg-ulating Electronic Time System, May 17 p 92° International Nickel Company: Advertising Award Won by, Jan 25 p 15; Mar 1 p 7

International Railway Car Company and Morrison Railway Supply Company Realine Operations, Feb 8 p 82 International Railway Congress to Meet in London, May 3

p 14
Interstate Commerce Act:
Bill Proposing Commodities Clause for Pipe Lines Introduced, Mar 15 p 12
Bill to Add New Section 15e to Provide for Prompt Rate Increases, Jan 11 p 127
Bill to Amend ICC's Intrastate Rate Power, May 3 p 16
Bill to End Government Eligibility for Section 22
Rate Reductions, Mar 8 p 16
Bill to Provide for ICC Authority Over Radio and Other Electronic Devices, Jan 11 p 128
Fourth Section:
Railroads Granted More Time on Circuity Limitation Order, Jan 11 p 212; Feb 8 p 13
Railroads Seek Relief from Long- and-Short-Haul Clause, Jan 11 p 121; Feb 8 p 13
Interstate Commerce Commission:

Clause, Jan 11 p 212; Feb 8 p 13
Interstate Commerce Commission:
AB Air Brake Order; Effective Date Postponed for Camp and Work Cars, Apr 19 p 5
Accident Report: Watson Brothers Transportation Company Tractor-Trailer Collision and Explosion, Jan 4 p 9
Administrative Procedure, ICC Practitioners Panel Discussion on, June 7 p 8*
Annual Report, Feb 1 p 8; Feb 8 p 76; Feb 15 p 2344

Administrative Procedure, ICC Fractitioners Faura-Discussion on, June 7 p. 8*

Annual Report, Feb 1 p 8; Feb 8 p 76; Feb 15 p 23*

Appropriations for 1954-55, Jan 25, p 7; Feb 1 p 12; Apr 5 p 10

Bureau of Accounts and Cost Finding: Distribution of the Rail Revenue Contribution by Commodity Groups—1951, Jan 4 p 9

Bureau of Accounts, Cost Finding and Valuation: Retirement of J. E. Hansbury, Apr 26 p 10

Bureau of Inquiry and Compliance Created, June 28 p 7, p 8

Bureau of Locomotive Inspection:
Annual Report, Mar 8 p 17

Breed, A. C. Retirement of, Apr 26 p 11

Grossman, C. H., Confirmation as Chief Inspector Sought for, Feb 22 p 12

Merged with Safety and Service Bureaus, Mar 29 n 6; Apr 5 p 10; Apr 26 p 5; May 24 p 12;

June 29 p 7, p 8

Bureau of Rates, Tariffs and Informal Cases Created, June 28 p 7, p 8

Bureau of Safety;

Annual Report, Feb 8 p 16

Merged with Locomotive Inspection and Service Bureaus, Mar 29 p 6; Apr 29 p 6; Apr 26 p 5; June 7 p 15

Bureau of Safety and Service Brings Together Locomotive Inspection, Safety and Service Bureaus, Mar 29 p 6; Apr 26 p 5; June 7 p 15; June 14 p 15*

Bureau of Safety and Service Bureaus, Mar 29 p 6; Apr 5 p 10; Apr 26 p 5; June 7 p 15; June 14 p 15*

Bureau of Sarety and Service Bureaus, Mar 29 p 6; Apr 5 p 10; Apr 26 p 5; June 7 p 15; June 14 p 15*

Bureau of Traffic:

Cox. E. H., Named Director, Apr 26 p 10; May 17 p 16*

Bureau of Transport Economics and Statistics:

Caswell, C. W., Retirement of, Apr 26 p 10; Fluctuations in Railway Freight Traffic Compared with Production, 1928-52, Mar 15 p 9; Mar 22 p 73†

Intercity Freight Traffic, by Types of Carriers, 1939-52, Apr 5 p 16*

Interstate Commerce Commission:—(Continued)
Bureau of Transport Economics and Statistics:—

reau of Transport Economics and Statistics;—
(Continued) Comment on Transportion Statistics,
Feb 1 p 9; Feb 22 p 17; Mar 1 p 12; Mar 29 p 8; Apr 5 p 11, p 81; Apr 19 p 7, p 11;
Apr 26 p 5; May 17 p 11; Maj 24 p 6; June 7 p 14; June 21 p 9; June 28 p 9, p 10, p 11
Salaries over \$20,000 in 1952, Mar 15 p 10

Salarles over \$20,000 in 1932, Mar 15 p 10
Bureaus of Iniquiry, Law, Traffic and Informal Cases
Reorganized, June 28 p 7, p 8
Charges for Loading Fruit and Vegetables at New
York and Philadelphia; Supreme Court Sends Case
Back to ICC, Feb 8 p 13; June 28 p 7
Class Rates (See Class Rates)
Consolidated Freight Classification, Reports on Cases
Involving Ruies 34 and 10 of, Feb 22 p 16
Depreclation Rates for Equipment, Mar 15 p 71
East-West Divisions Dispute, May 3 p 8; June 28 p
11

Explosives, Motor Trucking of; Recommendations for Amending Rules, Jan 4 p 10
Federal Waterways Corporation, Transfer of IWC Rights to, Mar 15 p 74
Free Transportation Practices Condemned, Mar 8 p 15; June 28 p 7
Government Reparations Cases, to Hold Oral Argument on, Apr 26 p 5
Grain Rates, Ex-Lake, Parity Maintained on, June 28 p 12

Grain Rates, Ex-Lake, Parity Maintained on, June 28 p 12
Hell Gate Bridge Charge Reduction Recommended, May 31 p 15
Tindex to the Classification of Operating Expenses of Steam Roads' Revised by AAR, Feb 15 p 17
ron and Steel Rates, Eastern Roads to Cut, Jan 18 p 27; Investigation of, Mar 29 p 28; June 28 p 68*
Iron Ore Import Rates, Baltimore Basis Extended to Philadelphia, Feb 22 p 16
Kundson, J. K., Retirement of, Mar 22 p 14*; May 10 p 9; May 31 p 14
Leensing Fee Schedule Proposed, Mar 1 p 8; Apr 5 p 10; Apr 12 p 8; Proceeding Suspended, May 10 p 8

p 8 Lacomotive Inspection Rules Prescribed for Self-Propelled Cars, May 31 p 13 Long-and-Short-Haul Clause of IC Act's Fourth Section, Railroads Seek Relief from, Jan 11 p 212; Feb 8 p 13 8 p 13 Island Fate Increase Ruling Withheld, May 10

Feb 8 p 13
Long Island Fare Increase Ruling Withheld, May 10
p 8
Mail Pay Increase Approved, Jan 18 p 12; Mar 22 p
7; Mar 29 p 28; May 17 p 5
Mitchell, R. F., Elected Chairman, June 28 p 9
Motor Carrier Regulation: (See also Names of
Companies)
Certificates of 590 Small Operators Revoked for
Failure to File Annual Reports for 1951, Jan
25 p 8
Contract Trucker Recommendations, Seeks Adrise
on, Mar 22 p 9; May 17 p 10; June 28 p 10
Court Sets Motor Truck Operators' Temporary
Rights at 180-Day Limit, June 14 p 12; ICC
to Appeal, June 28 p 8
Fright Commodily Statistics; AAR Seeks to
Have Reporting Regulations Made Effective,
June 14 p 12
New England Type Town Not a "Municipalitity",
Feb 22 p 14
Released-Rates Plan for Transportation of
Household Goods, June 14 p 11
Rules for Contract Carrier Filing of Government
Contract Charges Studied, Mar 29 p 28
Rules for Leasing Trucks; Status of Order, Jan
11 p 126
New Jersey Intrastate Commuter Fares, Roads Ask
Probe of, Feb 22 p 16
NYC Petition for Probe of R. R. Young's Activities
Denied, Mar 8 p 9; Mar 22 p 11; Mar 29 p 27;
Apr 12 p 10; Apr 26 p 8; to Hear Oral Argument
on Petition for Declaratory Order, May 10 p 9;
Petition Ionned, May 24 p 12
NYN-KAH Withdraws Petition for Increase in Communtation Fares, Jan 11 p 212; May 17 p 8
Norfolk Southern Lawyers' Disbatment Case Dropped,
Mar 1 p 9
Norfolk Southern Lawyers' Disbatment Case Dropped,
Mar 1 p 9
Office of General Counsel Created, June 28 p 7, p 8

Norfolk Southern Investigation Report, Mar 1 p 9
Norfolk Southern Lawyers' Disbarment Case Dropped,
Mar 1 p 9
Office of General Counsel Created, June 28 p 7, p 8
Ogden Gateway Case, Feb 22 p 5; May 31 p 5
Passenger Service Defect's Role in Divisions Rate
Cases, June 14 p 7
Per Diem Dispute, Jan 11 p 125, p 212; Jan 25 p
11; Feb 1 p 10; Feb 22 p 64; Mar 15 p 12
Personnel Changes in 1953, Jan 11 p 125
Proposal to Combine CAB with, June 7 p 9
Pullman Fare Complaint of Army Gets Final Dismissal, June 28 p 11
Race Discrimination Case Involving Richmond, Var.
Terminal Company and 11 Railroads Filed with,
Feb 8 p 12
Rate Advance Case (See Rates, Freight)
Regulations Governing Carrier Participation in Commission Cases Proposed, June 7 p 9
Reorganization of Railroads (See Reorganization of Railroads)
Roofing, Truck-Competitive Rates on, Mar 22 p 5;

Ralfroads)
Rouding, Truck-Competitive Rates on, Mar 22 p 5;
Mar 29 p 25*
Seatrain Lines Granted Permanent Operating Rights
on NY-Savannah Route, May 10 p 8
Section 22 Rate Quotations, Proposed Rule Would
Require Filing of, Apr 5 p 15; May 31 p 5
Service Orders, Jan 4 p 11; Jan 11 p 18
Signaling Order Speed Limits; Observance Required,
June 21 p 4
Small Shipments Case Discontinued, Feb 22 p 74

June 21 p 4 Small Shipments Case Discontinued, Feb 22 p 74 Stock Option Plans (See Stock Option Plans)

Interstate Commerce Commission:—(Continued)
Stock Split Proposals (See Stock Split Proposals)
Tariff-Posting Requirements, Proposes to Ease, Feb
8 p 13
Tariff Rules, Proposes to Modify, June 28 p 8
Test, R. J., Named Assistant Secretary, Feb 22 p 12*
Time Magazine Comment on, Apr 5 p 12
Trailer-on-Flats Service Tariffs Suspended, June 14
p 5; June 21 p 7; June 28 p 10, p 49†
Trailers-on-Flats Service, to Formulate Rules for,
Jan 18 p 8; Feb 1 p 11; Feb 8 p 12; Feb 15 p 10;
Feb 22 p 7; Mar 8 p 16; Mar 15 p 13; Apr 12 p
9; Apr 20 p 11; May 3 p 9; June 7 p 29†
Valuation Reporting for Small Roads Suspended, May
17 p 10

Valuation Reporting for Small Roads Suspended, May 17 p 19
Water Carrier Regulation:
Bill to Include Bulk Water Carriers Under, Mar 15 p 12
(See also Names of Companies)
Winchell, J. H., Nominated as a Commissioner, June 21 p 7
Inventories:
Common Language Machines as an Aid to Reducing, June 7 p 37
First Quarter, 1954, June 14 p 75
Monthly: October, Jan 11 p 159; January, Apr 12 p 22e

Reduction of; Railway Age Essay Contest, Apr 5 p

100 memory Management, RS&PA Discusses, May 3 p 15° Investment in Railroads: Review of 1953, Jan 11 p 152° Investment Publications, Feb 22 p 77; Mar 29 p 27; May 31 p 12; June 28 p 24 fran Invites Bids on Locomotive Parts, Apr 5 p 78 Iron and Steel Rates, Eastern Roads to Cut, Jan 18 p 27; ICC to Investigate, Mar 29 p 28; Chart Shows Pattern of, June 28 p 68° Iron and Steel Traffic: Railroads' Ability to Handle Increased Traffic Under New Rates Questioned, Apr 5 p 77 Iron Ore Import Rates: Baitimore Basis Extended to Apr 5 p 77 fre Import Rates; Baitimore Basis Extended to Philadelphia, Feb 22 p 16

Jack, Whiting Model-MA Portable Electric, Jan 25 p 41*
Jack-All, Kershaw Redesigned, Mar 15 p 55*
Jari Power Seythe, Apr 5 p 52*

Jarl Power Scythe, Apr 5 p 52*

Jersey Central Lines:
FRP Public Relations Award Won by, Apr 5 p 76*

Passenger Schedules, New, Based on Railroad-Community Cooperation, Jan 18 p 27; June 14 p 67*

Station at Elizabeth Modernized, Jan 18 p 30

Jetweld Electrodes, Lincoln, Mar 15 p 32*; June 28 p 44

John Carroll University Contemplates Building a Transportation Hall, Jan 25 p 8

Journal Bearing Research Laboratory; American Brake Shoe Company, May 3 p 40*

Journal Bearings:
Hot Boxes; Satco-Lined Bearings Reduce, Mar 15 p 11

Lubrication, AAR Study of, Feb 15 p 36*

Satco-Lined, AT&SF Refrigerator Cars Equipped with, Mar 15 p 11

Journal Box Packing, Chenille Roll, May 31 p 20*

Journal Box Servicing Corporation: Chenille Roll Journal Box Packing, May 31 p 29*

Kansas Centennial Exhibit Train., Apr 26 p 9*
Kansas City Southern: Yard Office Building at Shreveport,
June 21 p 10*
Kansas City Terminal Improvement Program, June 28 p 24
Kerite Company Centennial, May 3 p 38*; June 28 p 11*
Kershaw Ballast Regulator, Scariffer and Plow Redesigned,
May 15 p 54*

Kerite Company Centennial, May 3 p 38°; June 28 p 11° Kershaw Ballast Regulator, Scarlfier and Plow Redesigned, Mar 15 p 54° Kershaw Jack-All Redesigned, Mar 15 p 55° Kershaw Jack-All Redesigned, Mar 15 p 55° Kershaw Portable Set-Off for On-Track Equipment, Mar 15 p 60° Koehring Rail Propulsion Car Improved, Mar 15 p 55° Koehring Rail Propulsion Car Improved, Mar 15 p 55° Koehrer Ciutch-Equipped Model K160C Engine, Mar 15 p 60° Kohler Model 1.5 M25 Portable Power Plant, Apr 5 p 51° Kohler Model 15E61 Standby Generator, Mar 15 p 58° Kover-Mor Goggle, Willson, Mar 15 p 54° Kwik-Mix "Moto-Bug" Convertible from Wheelbarrow to Flat-bed or Fork-Lift Truck, Jan 11 p 101°

LCL Service: (See also Trailer-on-Flat Car Services)

AAR Research Group Progress Report, Apr 5 p 12
Louisville Shippers' Plan, May 17 p 16
Quality of; G. O. Griffiths on, May 17 p 16
Rail-Truck Interchange, Shippers Polled on, Feb 22 p

17
Shoemaker, Perry, on, Feb 8 p 15
Swiss Federal Railways Pallet Pool, Mar 29 p 7
LCL Volume Rates to Go Into Effect, Apr 5 p 12
Labor, Economics of, AREA Report on, Mar 22 p 94, p
97, p 103
Labor Relations:

Labor Relations:
Chronology of Events in 1953, Jan 11 p 183
BL&W Labor-Management Meeting To Discuss Annual
Report, Apr 12 p 9
Labor Unions: NRAB Must Determine Whether Union is
National in Scope, Mar 22 p 5
Labor Unions: (See also Employees: Wage Cases; Wages;
Unions: (See also Employees: Wage Cases; Wages;

[Illustrated articles are indicated thus*; Editorials thust; Letters to Editor thus;]

Laboratories (See Research Laboratories)
Lamps: (See also Lights)
GE Fluorescent, June 28 p 44*
GE Infrared, of New Design, June 14 p 48*
Westinghouse Reflector, Jan 25 p 42* Westingnouse Reflector, Jan 25 p 42°
Landscapping: Builder for Ralinodas, June 14 p 54°
TP&W Office Building at Peoria, June 14 p 54°
Leasing of Motor Trucks:
ICC Order, Status of, Jan 11 p 126
Trip Leasing Bills, Jan 11 p 128; Feb 8 p 77; May
24 p 13; June 14 p 13
Legal Decisions; (See also United States Supreme Court
Decisions)

Legal Decisions: (See also United States Supreme Court Decisions)

Motor Truck Operators Temporary Rights Set at 180Day Limit, June 14 p 12; June 28 p 8

Review of Year 1953, Jan 11 p 125
Union Shop Cases; UP, Jan 25 p 14; Mar 8 p 5;
AT&SF, Jan 18 p 11; Feb 15 p 7; Feb 22 p 7;
Apr 5 p 9; May 10 p 13†; June 14 p 373

Legislation, Safety Appliance, Development of, Feb 1 p 8
Legislative Review of 1953, Jan 11 p 127

Legislative Review of Court of Cou

ative Review of 1953, Jan 11 p 127

1 Valley:

B Air Brake Order; Effective Date for Camp and
Work Cars Postponed by ICC, Apr 19 p 5

few York State Thruway Authority to Buy Property
of, May 24 p 13

ratifers-on-Flats Service Planned, May 24 p 6

Model TLF-150 Transo Front-End Loaders, Mar 15
p 500

W Braiden Given to Ambrest College, Ech.

p 69*
Library of C. W. Braden Gisen to Amherst College, Feb 22 p 7
Licensing Fee Schedule Proposed by ICC, Mar 1 p 8; Apr 5 p 10; Apr 12 p 8; Proceeding Suspended, May

10 p 8 Life Line-A Induction Motors, Westinghouse, Apr 5 p 51*

Lift Trucks (See Trucks, Industrial)
Lighting:
Table Top: AT&SF Bome Cars, Apr 5 p 59*
Ticket Office Counter in Cleveland Union Terminal,
Jan 11 p 14*

Lights: (See also Lamps)
Crouse-Hinds Explosion-Proof Fixture, May 31 p 25*
Mars Tri-Eight Signal, May 3 p 28*
Pyle-National Type 20175 Floodlight, May 17 p 91*

Lincoln Jetweld Electrodes with Powdered Metal Coatings, Mar 15 p 52*; June 28 p 44 Linke-Hofmann-Busch Passenger Train of New Design, Mar 15 p 62*; Mar 29 p 10*

Linoleum Rate Reduction Proposed, Apr 5 p 16 Litchfield & Madison Enginehouse at Edwardsville, 111.. Feb 8 p 81°

Loader, LeRol Model TLF-150, Mar 15 p 59* Location, Railway, AREA Report on, Mar 22 p 105 Lockers, Guardian Parcel Checking; NYNH&H, June 7 p

Locomotive Bell Given to Indiana University by the Cl&L, Jan 4 p 12**

Locomotive Inspection Act, Bill to Amend, Mar 29 p 6;
May 21 p 12; June 7 p 15

Locomotive Inspection Annual Report for 1952-53, Mar 8

Locomotive Inspection Rules Extended to Self-Propelled Cars by ICC, May 31 p 13

Locomotive Operation:
Cost of Shorter, Faster Freight Trains, June 28 p 21
Is It Possible to Operate Diesel Road-Switcher Units
Safely in Multiple with Regular Diesel Road
Units?, Feb 1 p 18

Locomotive Performance motive Performance:
Attantie Steel Co. Diesel Utilization, Mar 15 p 13*
CPALT Diesel to Pay Out in Six Years, Apr 5 p 13*
Comparison of Steam, Diesel and Gas-Turbine Locomotives on UP, Apr 12 p 26*
Crossett Chemical Co. Diesel Locomotive, Mar 1 p 9*
Diesel Utilization; Superintendents' Report on, June 21 p 38

p 38 anks-Morse Trainmaster Lecomotives, June 28 p

21
N&W Class J Steam Locomotives, Mar 8 p 16*
Proportion of Service Rendered by Steam, Diesel
and Electric Lacomotives, 1944-53, Jan 11 p 120,
p 199; Service Rendered and Fuel Costs, Feb 1 p 9
Rectifier vs. Diesel and Straight Electric; PRR, Mar
8 p 67*
UP Gas-Turbine, Apr 12 p 25*
Wint a Locomotive of 25,000,000 Horsepower Could
Do, Jan 11 p 16*

Locomotive Rebuilding and Repair Service; Alco, Feb 1 p 13; GE, Mar 1 p 11

p 13; GE, Mar 1 p 11
omotive Supply:
Estimate of Expenditures in 1934, Jan 11 p 148
Installations, 1947-33, Jan 11 p 120; Year 1933, Feb
1 p 28; January, Mar 1 p 12; February, Apr 5 p
7 i; March, Apr 26 p 35; April, May 24 p 39; May,
June 28 p 23
On Order at End of Years 1947-53, Jan 11 p 120;
January 1, Feb 1 p 28; February 1, Mar 1 p 12;
March 1, Apr 3 p 78; April 1, Apr 26 p 35; May
1, May 24 p 46; June 1, June 28 p 23
Orders: December, Jan 4 p 26; First Quarter, Apr 5
p 78
Orders: December, Jan 4 p 26; First Quarter, Apr 5
p 78
Orders in 1953, Jan 11 p 180*

p 78 Orders in 1953, Jan 11 p 180* Ownership, 1947-53, Jan 11 p 120 Production Estimate for 1954, Jan 11 p 148

Locomotives: (See also Locomotive Operation; Locomotive Performance)

Performance)
Atomic:
Editorial Appraisal, June 14 p 58
Plans Developed by L. J. Börst, Feb 15 p 3;
Feb 22 p 15*; June 14 p 58*
Comparison of Atomic, Steam, Diesel and Gas-Turbine, June 14 p 60; Cost of Atomic and Diesel, June 14 p 63
Diesel-Electric: (See also Dieselization of Raliroada)
Aleo Model DL-600 All-Purpose, Mar 1 p 22*
Atlas 65-Ton Pusher, June 14 p 48*
Clearing House for Surplus Parts, June 14 p 71
Trinidad Gets GE Locomotives, June 28 p 22*
What a Locomotive of 25,000,000 Horsepower
Could Do, Jan 11 p 16*
Electric:

Electric: Consolidated Mining & Smelting Co., June 28 p Mathies Coal Co., for Use in Mine, Apr 5 p 77*

Gas-Turbine:
Coal-Burning,, British Railways to Test, June
28 p 23

Coal-Burning, British Rallways to Test, June 28 p 23 Coal-Burning, Progress Report on, Apr 19 p 44* Davenport-Besler Switcher for the Transportation Corps, Jan 25 p 52* UP: Progress in Design, June 7 p 15* Orders (See Locomotive Supply)

Steam: Last Run on MC; Locomotive to be Permanent Memorial, June 7 p 8
Lowly Jobs for, Mar 1 p 12*
Steam-Turbine-Electric: N&W Coal-Burning, May 31 p 9*
United Steam Steam Rullrands Seek Relief from,

p 9*
Long-and-Short-Haul Clause; Railroads Seek Relief from,
Jan 11 p 212; Feb 8 p 13 Long Island:

Fare Increase of 25%, ICC Withholds Ruling on.

Fare Increase of 25%, ICC Withholds Ruling on, May 16 p 8
Fare Increase Sought by Trustee, May 10 p 8
Modernization Program Agreed to by LITA and PRR, May 31 p 11; New York State Legislature Grants Approval of, June 21 p 4; June 28 p 25
Seeks to Use Capital Funds for Operating Expenses, Apr 5 p 81
Transportation Development Corporation's Proposed High-Speed Line Would Include, May 24 p 44
Long Island Transit Authority: Agreement Reached with PRR on Modernization Program for Long Island, May 31 p 11; New York State Legislature Grants Approval of, June 21 p 4; June 28 p 25
Lorain Moto-Crane, Enloading Ties with, Apr 5 p 80*
Loss and Damage Prevention: (See also Claims)
AAR-ARDA Course on Perishable Losses, Mar 8 p 80
CNR "Picture Window" Box Car, Apr 26 p 10*
Consignee's Carload Damage Report Form, Apr 26 p 9
Quiz on Selecting a Car Which Will not Damage Certain Ladings, Apr 12 p 17; May 10 p 14; June 7 p 39
Rulingov Excipte Transie, Dall on Acr 10 p 14; June 7

7 p 30
Railway Freight Traffic Poll on, Apr 19, p 15
Supervision, Exacting, a Requirement for, May 3 p 39
Loudspeaker Installations in 1953, Jan 11 p 181, p 182
Louisville & Nashviller New Yards Pianned at Louisville
and Birmingham, May 31 p 15
Louisville Sulppers Pian; G. O. Griffiths on, May 17 p 16
Lubrication; Journal-Bearing, AAR Study of, Feb 15 p 36*
Luggage Cart Rental Service, May 17 p 111*

M & E Manufacturing Co.: Spray Room Exhaust Fan, Mar 22 p 66*
Magline Magnesium Portable Conveyors, Feb 8 p 55*
Magnesia Insulation Manufacturers Association: Water-Resistant Insulation for Piping, May 17 p 92

Resistant Insulation for Piping, May 17 p 92
Magnesium Company Traileramp, Mar 22 p 65*
Magnesium Yard Ramp, Penco, May 31 p 29*
Mail Handling:
Chicago Tribune Controlled Mailing Test, Feb 15 p 5
Mail:Trucking Legislation Passed, Mar 8 p 12; June
28 p 8
Non-Scheduled Air Lines Refused Permission to Carry
Mail, Jan 4 p 10
"Piggyback" Transportation Being Tried, Jan 18 p 6
Television Used by FRR to Speed Switching of Mail
Cars, Mar 1 p 5; May 3 p 42*
Mail Pay: Pay:

Pay: Allen, J. C., on, May 17 p 7 CAB Reopens Study of "Service Mail Rates, Mar 29 p 28 p 28 Service and Subsidy Rates for Air Mail, Jan 11 p 131 10% Increase Approved, Jan 18 p 12; Mar 22 p 7; Mar 29 p 28; May 17 p 5; Mar 29 p 28; May 17 p 5;

Revenues in Fifth Place in 1953, June 7 p 14 Traffic:

Traffic:
Allen, J. C., on, May 17 p 7
Competition Getting Sharper, May 17 p 5
Diversion from Ralis to Trucks and Air Lines, Mar 8
p 12; A. R. Beatty on, Mar 22 p 13; P. A. Hollar
on, May 17 p 119
Fighting for; P. A. Hollar on, May 17 p 118*
Three-Cent Mail by Air, Jan 11 p 139; Extension of
Service Sought, Feb 15 p 8; Feeder Air Lines Used,
Mar 29 p 27; P. A. Hollar on, May 17 p 119
Control:

Maine Central: Locomotives, Steam, to Make Last Run, June 7 p 8 Three-D Cover on Employees' Magazine, May 10 p 11 Maintenance of Equipment: (See also Shops)
Alco Diesel Rebuild and Repair Service, Feb 1 p 13
Current Accounting Methods do Not Give True Picture
of Rising Diesel Maintenance Costs, Feb 8 p 68*

GE Rebuilding Service, Mar 1 p 11
Maintenance of Way: (See also Maintenance of Way Work

GE Rebinioning Service, and r p 11
Maintenance of Way: (See also Maintenance of Way Work Equipment)

AT&SF Roadway Restoration Operations, Jan 25 p 47*
Expenditures in 1953, Jan 11 p 173*

NYC Policies Bring Results, May 24 p 31*
Trends in 1953, Jan 11 p 173*

Maintenance of Way Work Equipment: (See also Earth-Moving Equipment)

AREA Report on, Mar 22 p 103

AT&SF Roadway Restoration Operations, Jan 25 p 47*
Gradalis, How the ACL Uses, May 10 p 23*
IC Fills Three Long Tresties, June 28 p 62*

Kershaw Portable Set-Off for On-Track Equipment, Mar 15 p 60*

Mechanized, PRR Cites Savings with, Mar 8 p 15

N&W Bailast Operations, Mar 8 p 64*

Purchases in 1953, Jan 11 p 164*

Purchases in 1953, Jan 11 p 164*

Purchases in 1954 Estimated, Jan 11 p 105

Radio Telepione Saves Time for, Mar 15 p 53*

Tr&W Ditch-Cleaning Project, Mar 1 p 14*

Management:

gement: Are New Skills Needed for Managers?, May 31 p 31† CSS&SB Training Program for, Feb 8 p 65* Columbia University Executive Conferences, Jan 11 p

CSS&SB Training Program for, Feb 8 p 65°
Columbia University Executive Conferences, Jan 11 p
214
DL&W Labor-Management Meeting to Discuss Annual
Report, Apr 12 p 9
Goals, Methods and Outlook, May 3 p 34°; June 21
p 33°
NYC Organizational Changes in, Apr 5 p 72°; Apr 19
p 13: May 10 p 19°; May 24 p 31°
STL-SF Series, May 3 p 34°; June 21 p 33°
Selection and Training of, Feb 22 p 73
Should the Man Seek the Job7, Mar 8 p 68
University of Miehigan Conference on Selection and
Training of Personnel for, Feb 22 p 3°
Manufactured: Potent Control Data, Jan 11 p 106°
Management Services Department Set Up by NYC, May 10 p 20°
Manila Railroad to be Rehabilitated, Jan 18 p 12
Manufacturing in Railway Shops, G. Metzman on, May 31 p 32°; June 28 p 23, p 30¹
May 52°; June 28 p 23, p 30²
May of St. Louis-San Francisco, May 3 p 35°
Mars Tri-Eight S'gnal Lights, May 3 p 28°
Masonry, AREA Report on, Mar 22 p 99, p 100
Materials and Supplies:
AAR Material Price and Wage Index, 1939-53, Jan 11 p 118, p 212; January, Apr 12 p 11; April, June 7 p 14
Inventories (See Inventories)
Materials Handling (See also Cranes; Trucks, Industrial)
Ferguson Double End Belt Booster, Jan 25 p 42°
Mercury Model 466 "Banty" Tractor, May 3 p 28°
Materials Make Cars Modern and Appealing, May 17 p 96°
Matthes Electric Remote Drive Speed Recorder, June 28 p
McLean, Trucking Company Seeks ICC Approval of "Sea-

43*
McLean Trucking Company Seeks ICC Approval of "Sea-Land" Service, Feb 22 p 14
McWilliams Ballast Distributor Improved, Mar 15 p 59*
Meals: (See also Dining Car Service)
Vending Machines on PRR, Jan 18 p 9*; May 17 p
124*

What Can Vending Machines Do?, May 17 p 124*
What Can Vending Machines Do?, May 17 p 124*
Mechanical Refrigerator Cars (See Cars: Freight)
Mechanization (See Accounting: Maintenance of Way Work
Equipment: Office Equipment: Statistics)
Medais (See Awards)
Meetings and Conventions, Feb 8 p 90; May 17 p 151
Mercury Model 460 "Banly" Tractor, May 3 p 25*
Meters, Weston Model 281 Portable, May 3 p 27*
Metropolitan Maintenance of Way Club:
Hursh, S. R., Address of, Mar 15 p 71*
Officers, May 17 p 151*

Mexico:
Railway Construction in 1953, Jan 11 p 210
Railway Operations in 1953, Jan 11 p 290*

Michigan Central: Detroit-Windsor Tunnel Operation Dieselized, Jan 11

Michigan Centrai:

Detroit-Windsor Tunnel Operation Dieselized, Jan 11 p 18

Strike Called Off, Mar 15 p 74

Michigan Railroads Association: Public Relations Creed, Apr 5 p 684

Michigan Tractor Shovel, Clark, Jan 4 p 15*

Microfilm Projector for Finding Routes and Fares Fast, Filmsort, May 17 p 112*

Microfilm-Recordak Supermatic, Feb 22 p 49*

Microwaves (See Radio)

Mid-West Shippers' Advisory Board Meetings, Feb 8 p 15; Apr 26 p 9

Mileage Rate Increases on Refrigerator Cars in 1953, Jan 11 p 123

Military Railway Service Veterans: Officers, Jan 4 p 12

Military Tariffe Moves by Air, Why So Much, June 28 p 30*

Minneapolis & St. Louis:

50°
Minneapolis & St. Louis:
Devins, J. W., Succeeds L. C. Sprague as President,
Mar 8 p 15; May 17 p 13; June 28 p 65°
Heliceman Group Wins Control of, Mar 15 p 74; Apr
5 p 84; May 17 p 13; June 28 p 65°
Stock Dipidend, Jan 11 p 248; Feb 22 p 77; Apr 5
p 84; May 17 p 18

Minneapolis-Honeywell Type RdF Stikon Thermometers, Jan 11 p 161* Minneapolis, St. Paul & Sault Ste. Marie: Traffic Depart-ment Sales Meeting, Feb 22 p 57*

Minneapolis, St. Paul & Sault Ste. Marie: Traine Personal Missouri-Kanssa-Texas:

Car. Pullman-Standard Stainless-Steel Passenger, May 24 p 27*

Dailas Industrial District Served by, Feb 8 p 14

Mull. Raleigh, Wins FRP Award, Mar 1 p 11; Mar 15 p 9*

Passenger Fares Reduced, June 14 p 14

Trailers-on-Flats Service, Apr 19 p 10; May 24 p 6; June 28 p 5

Missouri Pacific:

Alco Delivers Its 10-Millionth Horsepower to, May 24 p 46*

CTC Installation; Raddle, Ill.-Gale, Feb 1 p 23*

DeSoto Motor Vehicle Sticker Features, May 17 p 16*

Family Fare Plan, June 21 p 4

Improvement Program, Jan 11 p 246

Reorganization Proceedings, Jan 11 p 114; Feb 1 p 28; Feb 22 p 74; Mar 8 p 10; Apr 19 p 55; May 17; p 14

Model Railroads, GE Germanum Diode Transistor for

Improvement Program, Jan 11 p 248
Reorganization Proceedings, Jan 11 p 114; Feb 1 p
28; Feb 22 p 71; Mar 8 p 10; Apr 19 p 55; May
17 p 14
Model Railroads, GE Germanium Diode Transistor for
Operating, May 3 p 10*
Morison Railway Supply Company:
Realinement of Operations with International Railway
Car Company, Feb 8 p 82
Trailers for Traveling Crews, Apr 5 p 51
Motton Manufacturing Company:
Vestibule Curtain Release, Type B-J, May 17 p 92*
Vestibule Curtain Release, Type B-J, May 17 p 92*
Vestibule Curtain Release, Type B-J, May 17 p 92*
Vestibule Curtain Release, Type B-J, May 17 p 92*
Vestibule Curtain Release, Type B-J, May 17 p 92*
Vestibule Curtain Release, Type B-J, May 17 p 92*
Vestibule Curtain Release, Type B-J, May 17 p 92*
Vestibule Curtain Release, Type B-J, May 17 p 92*
Vestibule Curtain Release, Type B-J, May 17 p 92*
Westinghouse Air Brake Company's "All This Moment!" Widely Available, Mar 8 p 79
"Moto-Bug" Convertible from Wheelbarrow to Flat-Bed or Fork-Lift Truck, Kwik-Mix, Jan 11 p 101*
Motor Carrier Certificates of 590 Small Operators Revoked by ICC for Failure to File 1961 Annual Reports, Jan 25 p 8
Motor Carrier Freight Commodity Statistics; AAR Seeks to Have Reporting Regulations Made Effective, June 14 p 12.

Motor Coach Operations:
Revenue Per Passenger-Mile in 1953, June 28 p 10
Rotor Coach Operations:
Review of Year 1953, Jan 4 p 10
Service Good, Says Warren Brown, Feb 22 p 14
Motor Truck Bodies, Tel-E-Lect Combination, Apr 19 p 35*
Motor Truck Operations:
Canadian Provinces to Retain Control of, Apr 5 p 11; May 17 p 15
ICC Comment on Private Truckers "Buy-and-Sell" Arrangements, Feb 8 p 76; Feb 15 p 237
Meil Trucking Legislation Passed, Mar 8 p 12; June 28 p 8
Railway Freight Traffic Poll on Railroads' Right to Conduct, Mar 8 p 10

Mili Trucking Legislation Passed, Mar 8 p 12; June 28 p 8
Railway Freight Traffic Poll on Railroads' Right to Conduct, Mar 8 p 10

Motor Truck Operators:
Contract Truckers, ICC Seeks Advice on, Mar 22, p 9; May 17 p 10; June 28 p 10
Contract Truckers; ICC Studies Rules for Filling of Government Contract Charges, Mar 29 p 28
Impact of Rails, "Competitive Pricing" Felt by, May 24 p 4
In-urance Requirements, Higher, on Truckers of Dangerous Commodities Asked, Mar 22 p 5
Private Truckers Want Trailers-On-Flats Service, Feb 22 p 7, Apr 26 p 11; June 7 p 8
Temporary Rights Set at 180-Day Limit, June 14 p 12; June 28 p 8
Motor Truck Overloading: Violations in Ohlo, Mar 15 p 7

12: June 28 p 8

Motor Truck Overloading: Violations in Ohio, Mar 15 p 7

Motor Truck Rates: Released-Rates Plan for Transportation of Household Goods, June 14 p 11

Motor Truck Taxes (See Taxes)

Motor Truck Traffic: Year 1953, Jun 4 p 10; Mar 22 p 7

Motor Truck Traffic: Year 1953, Jun 4 p 10; Mar 22 p 7

Rules for Leasing: Status of ICC Order, Jan 11 p 126

Tril-E-Lect Combination Bodies for, Apr 19 p 35*

Trip-Leasing Bills, Jan 11 p 128; Feb 8 p 77; May
24 p 13; June 14 p 13

Twin Coach Truck Cab with Engine Belween Cab

Seats, Mar 22 p 7

Welght of Increasing, Feb 8 p 8

Motorola, Inc.:

Motorola, Inc.:
Radio Telephone for Use Between On-Track Equipment and Flagmen, Mar 15 p 53*
Walkie-Talkie Installation for Car Inspectors in UP
Council Bluffs Yard, Jan 18 p 20*

councii Biuffs Yard, Jan 18 p 26*
ors: (See also Generators)
Reliance Induction, Feb 8 p 55*
U. S. Electrical Motors Explosion-Proof, Jan 11 p
162*
U. S. Electrical Motors Uniclosed Type H, Mar 8 p
53*

Westinghouse Life Line-A Induction, Apr 5 p 51* Mower, Gravely Improved, Mar 15 p 58* Multiple-Unit Trains (See Trains) Music System for Cars and Trains, Neill, May 17 p 113*

NCR Paper, May 3 p 28
Naliable Steel Doorposts Applied on CGW, Apr 19 p 48*
Nalico SR-158D Diesel Fuel Additive, June 14 p 44
Nashville, Chattanoga & St. Louis: NSC Contest Winner,
May 31 p 11

National Aluminate Corporation: Nalco SR-158D Diesel
Fuel Additive, June 14 p 44
National Association of Railway Business Women: Officers,
June 14 p 16*
National Bureau of Standards Organizes a Mass and Scale
Section, Mar 29 p 7
National Carbon Company: Everready No. 7253 Spot-Flood
Flashlight, Jan 11 p 102*
National Carbon Company: Everready No. 7253 Spot-Flood
Flashlight, Jan 11 p 102*
National Carbon Company: NCR Paper, May 3 p 28
National Conference for Repeal of Taxes on Transportation
Formed, Feb 15 p 10
National Defense:
Chicago Railroads' Solution to "A" Bomb Attack,
June 21 p 8
Government's Responsibility for Maintaining the
Defense Portion of the Railrod Car Fleet, Mar 22
p 15
Transport Eaclitties from Standpoint of, May 31 p 15
Transport Must Be Ready For, Says Maj, Gen. P. F.
Yount, Feb 8 p 18; Mar 15 p 11
National Defense Transportation Association: A. H. Gass
Honored by, May 17 p 140*
National Electric Products Corporation: Underground
Feeder Cable, May 24 p 22*
National Electric Products Corporation: Underground
Feeder Cable, May 24 p 22*
National Federation of Financial Analysts Societies:
Annual Meetling, May 10 p 9
Eastern Regional Conference, Feb 8 p 11
National Industrial Traffic League:
Asks ICC to Hold Hearlings on Contract Trucker
Recommendations, June 28 p 10
Car Spottling Bill Introduced, Mar 8 p 13
ICC Lécensing Fee Proposals Opposed, Apr 12 p 8
Questions ICC Power to Make "Piggyback" Rules,
Feb 15 p 10
National Mediation Board:
Alion & Southern Wage Dispute, Jan 18 p 11
Annual Report for 1952-53, Feb 1 p 12
Boyd, R. O., Appointed to, Jan 4 p 10; Feb 15 p 9*
National Raliroad Police Academy, Fourth, Apr 26 p 12;
May 31 p 11
National Small Shioments Conference, Meetings of, Mar 22 p 7, p 15
Nellonal Small Shioments Conference, Meetings of, Mar 22 p 7, p 15
Nellonal Small Shioments Conference, Meetings of, Mar 22 p 7, p 15
Nellonal Small Shioments Conference, Meetings of, Mar 22 p 7, p 15
Nellonal Small Shioments Conference, Meetings of, Mar 22 p 7, p 15
Nellonal Small Shioments Conferen

Nepeonol (Underground Feeder Cable), May 24 p 22*

Net Income:
AAR Monthly Figures: November, Jan 11 p 248; Jan
18 p 12; December, Feb 15 p 9; January, Mar 15
p 19; February, Apr 12 p 11; March, May 10 p
7; April, June 7 p 13
Estimate for 1951, Jan 11 p 246
ICC Monthly Figures: September, Feb 8 p 80;
October, Mar 15 p 69; December, Apr 5 p 85
Years 1949-53, Jan 11 p 8*
Net Railway Operating Income:
AAR Monthly Figures: November, Jan 11 p 248; Jan
18 p 12; December, Feb 15 p 9; January, Mar 15
p 10; February, Apr 12 p 11; March, May 10 p 7;
April, June 7 p 13
Expense Control Key to Earning Power, Jan 11 p 246
ICC Monthly Figures: September, Feb 8 p 80;
October, Mar 15 p 69; December, Apr 5 p 85
Pecent of 1953 Revenues Converted into, Mar 1 p 13
New Endand Shippers? Advisory Board Meeting, Apr 5 p
10
New Jersey & New York Asks ICC to Enter Train Aban-

New Jersey & New York Asks ICC to Enter Train Aban-donment Case, Mar 8 p 16

Jersey Intrastate Commuter Fares, Roads Ask ICC Probe of, Feb 22 p 16 Orleans Public Belt: Industrial Development Project Started, May 17 p 11

Started, May 17 p 11
Orleans Union Passenger Terminal:
Dedication of, Apr 19 p 13
Description of, Apr 26 p 26*
Engine Terminal and Coach Yard, Apr 26 p 29*
Financing and Cost of, Apr 26 p 24*
Grade Separation Projects, Apr 26 p 22*, p 30*
History of Project, Apr 26 p 22*
Signals and Communications, Apr 26 p 32*
Suppliers of Materials and Products, Apr 26 p 35

Suppliers of Materials and Products, Apr 26 p 35 York Central: Budd Siesta Coach, Public Reaction to, May 24 p 12; To Purchase 10, May 24 p 40 Car, Exans 6-Car Auto Loader, Mar 8 p 53*; May 31 p 9

Car, Evans 6-Car Auto Loader, Mar 8 p 53*; May 31 p 9

Cleveland-Cincinnati Fares Cut, Feb 1 p 6

Commuting, Reverse; NY-White Plains, Mar 22 p 7

Executive Changes, June 21 p 7*; June 28 p 12*

Maintenance of Way Policies, New, Bring Results,
May 24 p 31*

"Management Services", Seven Units of, May 10 p 20*

Operations and Maintenance Department, Reorganization of, May 10 p 19*; May 24 p 32*

Passenger Service Pooling Plan Outlined by William

White, May 17 p 8; June 28 p 30;

Passenger Services Department. Organization and

Operation of, Apr 5 p 72*, Apr 19 p 13.

Periman, A. E., Succeeds William White as President,
June 21 p 7; June 28 p 12*

Rental Accounting, Feb 22 p 66*

Trailers-on-Flats Service, Jan 25 p 11; Apr 5 p 13;

Apr 19 p 11; May 3 p 5; May 17 p 8; June 7 p

7; June 14 p 9

"Twentieth Century Limited" and Commodore Vander
bitt" Running Time Cut Apr 19 p 7

New York Central:—(Continued)
White, William; Contract Terms Revised, Apr 19 p
53

New York Central:—(Continued)
White, William; Contract Terms Revised, Apr 19 p
53
Young, R. R., Wins Control of, Feb 1 p 11; Feb 15
p 11; Feb 22 p 7; Mar 1 p 8, p 10; Mar 8 p 9;
Mar 15 p 71; Mar 22 p 10; Mar 29 p 27;
Apr 5 p 81; Apr 12 p 10; Apr 10 p 33; Apr 20 p
8, p 197; May 3 p 11; May 10 p 9; May 17 p 13;
May 24 p 12; May 31 p 12, p 31†; June 7 p 5,
p 13*; June 14 p 11; June 21 p 7*, p 29†; June
24 y 12; May 31 p 12, p 31†; June 7 p 5,
p 13*; June 14 p 11; June 21 p 7*, p 29†; June
25 y 12*
New York, Chicago & 8t. Louis:
Coach Fares in Ohio Cut, Mar 29 p 28
Trailiers-on-Flats Service, June 14 p 5; Tariff Suspended, June 21 p 7; June 28 p 10, p 49†
New York City: Railroad Real Estate Taxes in 1953, June
14 p 5
New York City Railroad Real Estate Taxes in 1953, June
14 p 5
New York City Transit Autority:
Plan to Integrate Staten Island Transit, June 7 p 8
Subway Cars and Power Equipment Ordered, Feb 22
p 15
New York Connecting RR: Reduction in Hell Gate Bridge
Charge Recommended May 31 p 15
New York Metropolitan Region:
New York Development Corporation Proposes
High-Speed Passenger Line for, May 24 p 44
New York, New Haven & Hartford:
Car, "Ski-Hut, Feb 22 p 13*
Cars, Ignitron Rectifier M-U, Mar 15 p 66*; May 3
p 9*
Commutation Fare Increase Petition Withdrawn, Jan
11 p 212; May 17 p 8
UCC - Ecombute Competent on 18 p 8
UCC - UCC - Ecombute Competent on 18 p 8
UCC - U

Cars, Ignition Rectifier M-U, Mar 15 p 66°; May 3 p 9° Commutation Fare Increase Petition Withdrawn, Jan 11 p 212; May 17 p 8 1CC to Formulate "Plggyback" Rules, Jan 18 p 8 Lockers, Parcel Checking, Operation of, June 7 p 38° Management Changes, Apr 26 p 7° McGinnis, P. B., Elected President, Apr 26 p 7° Passenger Service Plans of P. B. McGinnis, Apr 5 p 80; June 14 p 7 Proxy Fight, Mar 1 p 5; Mar 22 p 11; Mar 29 p 4; Apr 5 p 79; Apr 19 p 56; Apr 26 p 7° May 3 p 11 Rail Laying, Mechanized, Jan 18 p 18°; Correction, Feb 8 p 82; Talgo Train to be Tested, Apr 5 p 79; June 21 p 4 Tie Pads Extend Tie Life, Jan 18 p 18° Correction, Feb 8 p 82; Algo Tain to be Tested, Apr 5 p 79; June 21 p 4 Tie Pads Extend Tie Life, Jan 18 p 18° Trailers-on-Fiat Cars, Statistics on, Mar 15 p 7 New York, Ontario & Western: L. D. Freeman Named Trustee, Feb 15 p 33; Feb 22 p 75; Mar 15 p 74, p 77; Mar 22 p 68° New York Railroad Club: Members of Metropolitan Superintendents' Association Address, Mar 8 p 15 Mextman, Gustav, on Freight Car Situation, Apr 26 p 35

p 35 [Roy V.] Wright Essay Contest Winners, Jan 25 p 13*; Sixth Contest Announced, Apr 19 p 12

13°: Sixth Contest Announced, Apr. 19° p. 12 New York State: Legislation to End Bankruptey of Long Island Ap-proved, May 31 p. 1; June 21° p. 4; June 28° p. 25 Raliroad Real Eata'e Taxes in 1953, June 14° p. 5 New York State Thruwa; Authority to Buy LV Property,

New York State Thruwa, Authority to Buy LV Property,
May 24 p 13
New York Traffic Club: Forum on Trailers-on-Flats
New York Traffic Club: Forum on Trailers-on-Flats
Serice, June 7 p 7
1953 at a Glance, Jan 11 p 8*
No Work-No Worry Club, Tenth Reunion of, Mar 8 p 80
Non-Operating Unions' Demands for Fringe Benefits:
Benson Letter, Mar 1 p 7; Mar 8 p 11
Cost of, Mar 1 p 8; May 24 p 37
Emergency Board Investigation of, Jan 4 p 9; Jan 25
p 14; Mar 1 p 8; Mar 8 p 11; Apr 5 p 7; Apr 12
p 3; Report on, May 24 p 37
Health, Welfare and Free Transportation Demands to
be Considered, Jan 11 p 116; Jan 25 p 14; Feb 8
p 81; Feb 15 p 7; Apr 5 p 7; Report on, May 24
Review of, Jan 11 p 116

Review of, Jan 11 p 116 No-Oxid "400" (Rust Preventive), Mar 15 p 57 Norfolk & Western:

No-Dish * July * Preventive). Mar 1s p of Norfolk & Western:

Ballast Operations Mechanized, Mar 8 p 64*
Better Service Conference, Apr 12 p 28*
Freedoms Foundation Awards Won by, Mar 8 p 78
Hard Chrome Electroplating, Use of, Jan 4 p 23*
Locomotive, Coal-Burning Steam-Turbine Electric,
May 31 p 9*
Locomotives, Class J Steam, Pass 2 Millionth Mile,
Mar 8 p 16*
NSC Contest Winner, May 31 p 11
Taxes in 1952, Mar 22 p 10*
NSC Contest Winner, May 31 p 11
Taxes in 1952, Mar 22 p 10*
Dieselization Completed, Feb 8 p 8
Dieselometer Dramatizes Sales Performance, May 17
p 9*

p 9*
ICC Investigation Report, Mar 1 p 9
ICC Investigation Report, Cases Dropped by ICC, Mar

CE Investigation Report, Mar 1 p 9
Lawyers' Disharment Cases Dropped by ICC, Mar 1 p 9
Norfolk Southern Bus Corporation Sale Approved by ICC, Jan 25 p 8
North American Car Corporation:
CaNW Conserted Mechanical Refrigerator Car, June 7 p 40*
Financing, New, Feb 1 p 28
North British Locomotive June 23 p 23
Northestern University: Transportation and Traffic Management Conference for New England Industry, May 24 p 13; June 14 p 10
Northern Indiana Public Service Company: Battered Hopper Doors an Irritation to, Apr 19 p 43*
Northern Pacific:
Stock Option Plan, Mar 29 p 31
Yard to be Built at Paseo, Wash., Feb 1 p 28

[Illustrated articles are indicated thus*; Editorials thust; Letters to Editor thus]

Northwest Shippers' Advisory Board Meeting, Feb 8 p 18 Northwestern University: Kerr, W. 8., Named Business Manager, Feb 8 p 18 Transportation Center Established at, Jan 4 p 11 Notifier Automatic Fire Detection System, June 14 p 48* Nuclear Energy (*-e Atomic Energy) Null Balance Recorder, Feb 22 p 50

Office Building to be Built by StLSW at Tyler, Tex.,

Mar 8 p 13*

Office Zquipment:
Controlled Record-Keeping, May 24 p 29*
Filmsort Microflin Projector for Finding Routes and
Fares Fast, May 17 p 112*
Integrated Data Processing (Waybills, Yard Records,
Purchase Orders, Stores Records), June 7 p 35*
Paper, NCR, May 3 p 28
'Travet-Taik' Dictating Machine, May 17 p 111*
Wanted: Potent Control Data, Jan 11 p 106*
Office of Defense Mobilization:
Amortization Arrangement Extended to Passenger
Cars, Mar 29 p 7; Apr 26 p 11; May 10 p 10;
May 17 p 123
Amortization Arrangements for 8ix Expansion Goals,
Time Limit Extended on, Apr 26 p 11
Terminal and Road Facilities Expansion Goal Reopened, Feb 22 p 15; Financial Limit Removed,
Apr 26 p 11
Van-Car Corporation Given Accelerated Amortization
Certificate, Jan 15 p 27
Old Tanks, Fuel, Sellers Cleaner for the Tops of, Jan 25
p 11
Onan Model 50KA Electric Plant, Feb 8 p 55*
Operating Efficiency:
Cost of Shorter, Faster Freight Trains, June 28 p 21
Faricx, W. T., on, Apr 19 p 7
Freight and Passenzer Service Performance, 1944-53,
Jan 11 p 122
NYC Reorganization of Operations and Maintenance
Department, May 10 p 19*
Railroads 8ct New Records in 1953, Mar 29 p 8
Wanted Fotent Control Data, Jan 11 p 166*
Operating Expense Index Revised by AAR, Feb 15 p 12
Operating Ruise: ICC Allows Service Order to Expire,
Jan 11 p 18
Operating Ruise: ICC Allows Service Order to Expire,
Jan 11 p 18
Operating Ruise: ICC Allows Service Order to Expire,
Jan 11 p 18
Operating Ruise: ICC Allows Service Order to Expire,
Jan 11 p 18
Operating Ruise: ICC Allows Service Order to Expire,
Jan 11 p 18
Operating Ruise: ICC Allows Service Order to Expire,
Jan 11 p 18
Operating Ruise: ICC Allows Service Order to Expire,
Jan 11 p 18
Operating Ruise: ICC Allows Service Order to Expire,
Jan 11 p 18
Operating Ruise: ICC Allows Service Order to Expire,
Jan 11 p 18
Operating Ruise: ICC Allows Service Order to Expire,
Jan 11 p 18
Operating Ruise: ICC Allows Service Order to Expire,
Jan 11 p 18

p 16\$
NYC Organizational Changes, Apr 5 p 72*; Apr 19
p 13; May 10 p 19*; May 24 p 31*
PRR; What Jim Symes is Doing About It, June 14 p
63*

Train Performance at High Speeds Studied by French
National Railways, May 3 p 43*
Operating Unions (See Names of Unions)
Operation, Railway, AREA Report on, Mar 22 p 105
Operations Analysis, Report of P&S Div. on, June 14 p
70

operations Analysis, Report of P&8 Dir. on, June 14 p. 70
Operations Research, RS&PA Seminar on, Feb 8 p. 11;
Mar 8 p. 75.9
Order of Railway Conductors: (See also Order of Railway Conductors and Brakemen)
Graduated Wage Scale Sought, Jan 11 p. 117; Jan 18 p. 11; Feb 15 p. 7
Name Changed, May 17 p. 5
Wage Increase and Vacations, Agreement Reached on, Feb 15 p. 7
Order of Railway Conductors & Brakemen:
Basic 174-Hour Month Sought for Pullman Conductors, Jan 18 p. 11; Feb 8 p. 81; Apr 5 p. 5;
Apr 19 p. 7; Arbitration Board Report, June 7 p. 13
Name, New, for ORC, May 17 p. 5
Ore Deposits Discovered by UP in Wyoming, Feb 8 p. 16
Ore Unloading Facility at Philadelphia; PRR, Mar 15 p. 45.9
Otherson Forest Products Laboratory: Secondary Species of

45°
Oregon Forest Products Laboratory: Secondary Species of Wood Ties Tetsted, May 3 p 45
Organization of Railroads:
C&NW Divisions Reorganized, May 24 p 45
NYC Operations and Maintenance Department Reorganization, May 10 p 19°: May 24 p 432°
NYC Passenger Services Department, Apr 5 p 72°;
Apr 19 p 13
PALE Set-Up Streamlined, Feb 15 p 33
Organizational Changes in Effect on REA, Mar 8 p 73

P&H Zip-Lift Hoist, Apr 19 p 35* Pacific Coast Shippers Advisory Board Meeting, Mar 22 p 13 Pacific Fruit Express to Build 200 Mechanical Refrigerator Cars. May 24 p 40
Pacific Northwest Advisory Board Mectings, Apr 5 p 13;
June 28 p 22
Pacific Railroad, Rehabilitation of the, Jan 11 p 201*
Paint Remover and Coating, Turco, May 24 p 21*
Paint Romover and Coating, Turco, May 24 p 21*
Paint Roller Kit; American Products Co., Feb 22 p 50*
Painting Steel Surfaces, AREA Report on, Mar 22 p 100
Pakistan Seeks Bids on Diesel Locomotives and Track
Materials, Feb 22 p 15; Cattle Cars. Mar 1 p 12
Pallet Pool on Swiss Federal Railways, Mar 29 p 7
Pallet Pool on Swiss Federal Railways, Mar 29 p 7 Paliets, Free, Proposed, Jan 18 p 10
Pan American Railway Congress Association:
Holland, Henry F., Appointed to, June 14 p 15
Next Congress in 1956, June 14 p 16
Pan American World Afraway: Installment Buying for
Tickets, May 24 p 4
Paper, NCR, Provides Multiple Copies without Carbons,
May 3 p 28
Paper Rates, Proposed, Chart Shows the Pattern of,
June 28 p 68*
Parcel Checking Lockers: NYNH&H, June 7 p 28*

Parcel Checking Lockers; NYNH&H, June 7 p 38*
Parcel Post Rate Increases in 1953, Jan 11 p 126
Pazsons, C. A., & Co.: Coal-Burning Gas-Turbine Locomotive, June 28 p 23

motive, June 28 p 23

Passenger Business:
Basebuil Teams' Rall Travel in 1954, Apr 19 p 7

Fare Reductions May Help to Increase, May 17 p 7

How C&O Builds Passenger Stacks, Mar 29 p 26°

IC Suburban Service Shows Profit, June 14 p 5

"Queen Mary" Passengers Travel by Train to Hallfax

Because of Dock Strike, Apr 5 p 5; Apr 12 p 34°

Tax Cut Not Much Stimulation to, Apr 26 p 5

Travel Award Packages, Apr 12 p 5

What the NYC Is Doing to Attract, Apr 5 p 72°

Passenger Fares:

enger Fares;
Air Lines Fares, Higher, in the Offing, Mar 22 p 7
Army's Pullman Fare Complaint Gets Final ICC
Dismissal, June 28 p 11
B40 Reductions, Feb 22 p 16; Mar 22 p 15
C40 Cuts Couch Fares in Virginia, Apr 19 p 11
"City of Sen Francisco" Extra Fare Dropped by UP
and C&NW, May 31 p 5
Developments in 1953, Jan 11 p 119
Excursions, Low-Cost; Chicago-Twin Cities, June 14
p 15

Developments in 1953, Jan 11 p 119
Excursions, Low-Cost; Chicago-Twin Cities, June 14
p 15
Family Fare Plan Liberalized by Western Roads, Feb
8 p 13; Mar 1 p 5; GN Withdraws from, Mar 15
p 7; Extended to Pullman Service, May 10 p 8;
May 17 p 8; June 14 p 15; MP Joins, June 21 p
4; WP Joins, June 28 p 5
Furlough Fares Extended, Mar 8 p 78; June 14 p 14
"Golden Gate" Extra Fare Cut, Feb 8 p 13
Hell Gate Bridge Charge Reduction Recommended to
1CC, May 31 p 15
"Ladies Day" Fares a Hit on C&EI, Mar 15 p 9
Long Island Increase of 25%, ICC Withholds Ruling
on, May 16 p 8
Long Island Trusice Seeks Increase, May 10 p 8
Microfilm Projector for Fast Finding, May 17 p 112*
M-K-T Reduces Coach Fares, June 14 p 14
New Jersey Intrastate Commuter Fares, Roads Ask
IfCC Probe of, Feb 22 p 16
NYC Auts Chic Coach Fares, Mar 29 p 28
NYNH&H Withdraws Petition for Increase in Commutation Fares, Jan 11 p 212; May 17 p 8
PRR Reductions, Mar 22 p 15; May 17 p 7
Southwestern Roads Granted Increase, Jan 11 p 119
\$10-Air-Coach NY-Washington Service Proposed, Mar
15 p 5
What Price Passengers?, May 17 p 95†
wenger-Miles: Years 1944-53, Jan 11 p 112*

\$10-Air-Coach NY-Washington Service Proposed, Mar

15 p 5
What Price Passengers?, May 17 p 95†
Passenger-Miles: Years 1914-53, Jan 11 p 112*
Passenger Service:
C&O "Consumer Panels", Apr 5 p 10*
Credit Card, Charge-Piate, May 17 p 110*
Credit Card Program, B&O, Jan 25 p 13
Credit Card System with Department Store Established by Cl&L, June 28 p 24*
Developments During 1953, Jan 11 p 158*
Helicopter Service in Miani Area, Feb 15 p 5
How Can Rail Travel Be Sold?, May 17 p 103*
Jersey Central's New Schedules Based on RailroadCommunity Cooperation, Jan 18 p 27; June 14 p
67*
Luggage Cart Pontal Service Service Property Service
Luggage Cart Pontal Service Property Service
Luggage Cart Pontal Service Property Service
Luggage Cart Pontal Service Property Service Prop

67*
Luggage Cart Bental Service, May 17 p 111*
NYC is Improving, How, Apr 5 p 72*; Apr 19 p 13
NYNH&H, P. B. McGlimis's Ideas for, Apr 5 p 80;
June 14 p 7
PRR Baggage Handling Service, Apr 5 p 16
Pooling Plan Outlined by William White, May 17 p
8; June 28 p 304
Promotion for "San Francisco Chief", June 7 p 33*
Schedule Changes, May 3 p 7
8P Order to Continue and Re-Equip Unprofitable
Train Upheld by Supreme Court, Jan 11 p 15
"Speedwalk" on H&M, Feb 22 p 50*; June 11 p 11*
Subarthan Service:
(C&W Double-Deck Suburban Cars, May 1 p 25*

rban Service: C&NW Double-Deck Suburban Cars, Mar 1 p 25*

Subarban Service:

C&KW Double-Deck Suburban Cars, Mar 1 p 25*

C&KE to Operate in Conjunction with the Chicago Transit Authority, Feb 1 p 28; Feb 22 p 75; Mar 15 p 71

CB&O Improvements Pay Off. Feb 8 p 61*

Commuting, Reverse, on NYC, Mar 22 p 7

Getting the Subsidies Out of, Jan 4 p 13*

IC Service Shows Profit, June 4 p 5

New York Metropolitan Area; Bi-State Agency to Study Traffic Recommended, Mar 15 p 11

New York Metropolitan Area; Transportation Development Corporation Proposes High-Speed Line for, May 24 p 44

SP Orders "Gallery" Coaches, June 21 p 16

"Ta-Ka-Check" Taxi Service System, May 17 p 111*

Ticket Office, TWA Traveling, May 17 p 112*

"Travel-Taik" Dictating Machine, May 17 p 111*

Passenger Service Deficit:

How the NYC is Reducing, Ap 5 p 72*

Mail Pay Increase Should Reduce, Mar 20 p 28

Passenger Tax Cut Not Much Help in Reducing, Apr 26 p 5

Pa senger Service Deficit:—(Continued)
Pooling Plan to Cut, Outlined by William White,
May 17 p 8; June 28 p 30‡
Role in Divisions Rate Cases, ICC Views on, June 14

Estimate for 1954, Mar 22 p 13
Making Pullman Traffic More Profitable. May 17 p

114*
Military; Why So Much Moves by Air, June 28 p 50*
New York Metropolitan Area; Bi-State Agency Study
Recommended, Mar 15 p 11
Passengers Per-Train and Per-Car, 1944-53, Jan 11
p, 123

Passengers
p 123
Public Relations Aspects of, June 28 p 58*
Ways to Increase, May 17 p 105*
enger Transportation Tax:
Drive to Repeal, Feb 15 p 10; Mar 22 p 14; May 17

p 5 RBA Pamphlet Urges Repeal, Apr 19 p 7 Reduced to 10%, Mar 8 p 78; Mar 15 p 7; Apr 5 p 5; Apr 26 p 5

Passes:
Free Transportation Demands of Non-Operating
Unions, Emergency Board Recommends Withdrawal
of, Jan 11 p 116; Jan 25 p 14; Feb 8 p 81; Feb
15 p 7; Apr 5 p 8; May 24 p 37
ICC Condemns Free Transportation Practices, Mar 8
p 15; June 28 p;
Pennysthard; Mar Ramp, May 31 p 29*

osyivania:

Baggage Handling Service at Pittsburgh, Apr 5 p 16

"Broadway Limited" Running Time Cut, Apr 19 p 7

Car, Automatic Buffet-Bar, Jan 18 p 9

Equipment Depreciation Rates, Mar 15 p 71

Horseshoe Curve 100 Years Old, Feb 8 p 90

Land Sold for Apartment in Philadelphia, May 17 p

15

Land Soil for Apartment in Philadelphia, May 17 p.
15
Locomotives, Rectifier vs. Diesel and Straight Electric, Mar. 8 p. 67*
Long Island Modernization Program, Agreement Reached with LI Translt Authority on, May 31 p.
11: New York State Legislation Grants Approval of, June 21 p. 4; June 28 p. 25
Maintenance of Way Work Equipment, Savings Due to, Mar. 8 p. 15
Microfilm Projector for Finding Routes and Fares Fast. May 17 p. 112*
Operating Study, June 14 p. 63*
Ore Unloading Facility at Philadelphia, Mar. 15 p. 45*
Passenger Fare Reductions, Mar. 22 p. 15; May 17 p. 7
Passenger Fare Cut on Telephone Lines, Mar. 8 p. 67*
"Sourcex Test" Machine for Passenger Cars Acquired.

p 67*

"Squeeze Test" Machine for Passenger Cars Acquired by AAR, May 17 p 5

Symes, J. M., Succeeds W. S. Franklin as President, May 17 p 134*; June 14 p 63*

"Ta-Ka-Check" Taxi Service System, May 17 p 111*
Television Camera Used to Watch Switching of Mail Cars in Pittsburgh Terminal Area, Mar 1 p 5; May 3 p 42*

This Concrete, Experience with May 3 p 44*

3 p 42°
Ties, Concrete, Experience with, May 3 p 44
Trailers-on-Flais Service, May 3 p 8; May 24 p 6;
June 14 p 5, p 64; Name Contest, June 14 p 7;
Tariff Suspended, June 21 p 7; June 28 p 10, p
497

Vending Machines in Buffet-Bar Car, Jan 18 p 9*
Wage Settlement with Shop Employees, Jan 18 p 11
Pennsylvania Motor Truck Association Antitrust Suit
Against the Eastern Railroads, Mar 15 p 7; June
Pensions (See Railroad Retirement System Operations)
Peorla & Eastern: NSC Contest Winner, May 31 p 11
per Dilem:

Pensions (See Rallroad Retirement System Operations)
Peorla & Eastern: NSC Contest Winner, May 31 p 11
Per Diem:

Box Car Pool Would Solve Squabble, June 14 p 36;
Short Lines Should be Considered in, June 14 p 36;
Short Lines Should be Considered in, June 14 p 9
Per Diem Rates;
Dispute over \$2.40 Rate, ICC Hearings on, Jan 11 p 125, p 212; Jan 25 p 11; Feb 1 p 10; Feb 22 p 64 (J. P. Kiley, J. E. Kusik and 6. F. Glaey on); Mar 15 p 12 (H. K. Norton on)
Review of Cases Involving, Jan 11 p 125
Perfect Shipping Campaign, Apr 19 p 10*, p 15*
Perishables Handling Conference at Purdue, Mar 8 p 80; at University of California, Apr 19 p 11
Phonograph Recordings Used as Talking Advertisements, May 17 p 113*
Pictorial Review of 1953, Jan 11 p 133*
Pictorial Review of

Pittsburgh & Lake Erie:
Organization Streamlined, Feb 15 p 33
White, William, Succeeds C. M. Yohe as President,
Jah 4 p 30*

Pittsburgh Consolidation Coal Company to Build Coal
Pipe Line, May 10 p 4
Plastic Spray for Ugarding Box Cars, June 21 p 3
Plastic Welding Helmet, GE, Mar 15 p 57*
Plastinal Flooring for Box Cars, June 22 p 65*
Plastinal Flooring for Box Cars, Jan 4 p 20*
Plow, Fairmont Center, for Ballast Cars, Mar 22 p 65*
Police Academy Conducted by AAR Protective Section,
Apr 26 p 12; May 31 p 14*
Political Tampering with Free Markets, Apr 5 p 66
Pool for Freight Cars Suggested, June 28 p 30;
Pooling of Box Cars Would Solve Per Diem Squabble,
June 14 p 36;
Pooling of Pallets on Swiss Federal Railways, Mar 29 p 7
Pooling Plan to Cut Passenger Losses Proposed by William
Walte, May 17 p 8; June 28 p 30;
Power Plants, Fortable (See Generators)
Power Plants, Fortable (See Generators)
Power Plants, Small Atomic Energy, Bendix Aviation
Corporation Undertakes Research on, June 14 p 7
Power Switch outrolled by Radio in Locomotive Cab;
AT&SF, Mar 15 p 65
President Eisenhower:
Executive Order Issued in 1942 to Exempt from the
Compulsors-Retirement-at-70 Rule all Presidential
Appointees Who Were Then Serving Indefinite Terms
Revoked, Jan 25 p 7
State-of-the-Union Message, Jan 18 p 8
Pressed Steel Car Company:
AT&SF All-Welded Gondola Cars, May 10 p 27*
Mt. Vermon Plant Closed, June 7 p 16; June 21 p 11*
Prices:
AAR Matetial Price and Wage Index, 1939-53, Jan

Prices:
AAR Material Price and Wage Index, 1939-53, Jan
11 p 118, p 212; January, Apr 12 p 11; April,
June 7 p 14
Increases in 1953, Jan 11 p 151
Rate and Wholesale Price Indexes Compared, Apr 5
p 11
Stock Prices in 1953, Jan 11 p 152
Pricing (See Rate-Making)
Private Entriers Conference of ATA Wants Trailers-onFlats Service, Apr 26 p 11
Private Enterprise:
Government-Owned Railroad Offered to, Feb 8 p 81
Industrial Illuminated Exhibits Dramatize, May 17
p 13*
Levality to Principle of May 31 p 45; June 14 p 57

p 13*
Loyalty to Principle of, May 31 p 45; June 14 p 57
Private Truck Council of America Wants Trailers-on-Flats
Service, Feb 22 p 7
Production, Fluctuations in Railway Freight Traffic Compared with, 1928-52, Mar 15 p 9; Mar 22 p 73†
"Profit Motive", Feb 8 p 53

pared with, 1928-52, Mar 15 p 9; Mar 22 p 73?

'Profit Motive", Feb 8 p 53

Projectors:

Dukane Automatic Sound Stidefilm, May 17 p 110*

Filmsort Microfilm, for Finding Routes and Fares

Fast, May 17 p 112*

Propane Gas Used in UP Gas-Turbine Locomotive, Apr 12

'Prosperity" of 1953 Was not Normal, Mar 22 p 13

Public Affairs Institute to Make Economic Study of

Railroad Industry, Apr 5 p 15

Public Controversy, Time to Cut Down on, June 21 p 29†

Public Relations: (See also Community Relations)

Craddock, J. A., on, Mar 8 p 15

Efficacy in Influencing Regulation, June 28 p 59*

Michigan Pailroads Association Creed, Apr 5 p 68\$

Passenger Traffic and, June 28 p 58*

Railroad Insignias, Quizzes and Gomes to be Given as

Cereal Premiums, May 17 p 12

Superintendent's Responsibility for, June 21 p 39

Pul-Pac and Pusher Units, Clark Redesigned, June 14 p 48*

Pulliman Company:

Cars in Service, Number of, May 17 p 115

How Can Traffic Be More Profitable?, May 17 p 114*

ORC&B Seeks Basic 174-Hour Month for Conductors,
Jan 18 p 11; Feb 8 p 81; Apr 5 p 5; Apr 19 p

7; Arbitration Board Report, June 7 p 13

Pullman-Standard Car Manufacturing Company:

Pullmar

Jan 18 p 11; Feb 8 p 81; Apr 5 p 5; Apr 19 p
7; Arbitration Board Report, June 7 p 12
man-Standard Car Manufacturing Company;
CNR Sleepine Parlor, Dining, Buffet Cars, Mar 22
p 74*, p 78*
Car, All-Purpose Flat, for "Piggy Back" or General
Freight Service, Apr 26 p 11; May 31 p 35*
Car, Stainless-Steel Passenger, Developed, May 10 p
4; May 24 p 27*
Cars, Box, with Cushion Underframes. Mar 8 p 79
How a Passenger Car is Built, May 17 p 117*
NYNHAH Ignitron M-U Cars, Mar 15 p 66*; May 3
p 9*

Power Ballast Cleaner Improved, Mar 15 p 66*; May Power Ballast Cleaner Improved, Mar 15 p 53* SP Order for "Gallery" Coaches, June 21 p 10 "Pulploader", Clark, Feb 22 p 49 Pump, Homelite Model 5P Pressure, Mar 15 p 58* Purchases:

hases: Car Buving, "Feast or Famine" Nature of, June 21 p 11*

p 11*

Equipment: December and Year 1953, Jan 4 p 26:
Jan 11 p 159; January, Apr 12 p 21; March and
First Quarter, June 14 p 74

Equipment: Years 1932-53, Jan 11 p 150

Estimate for 1954, Jan 11 p 11

First Quarter, 1954, June 14 p 74

First Quarter, 1954, June 14 p 74

First Quarter, 1954, June 14 p 70

January, Apr 12 p 21*

Maintenance of Way Work Equipment in 1953, Jan

11 p 161*: Estimate for 1954, Jan 11 p 165

Year 1953 (Railway Age Estimates), Jan 11 p 149*

Years, 1944-53 (AAR Figures), Jan 11 p 120; Apr 19

p 9

Possing Functions Use of Common Language Machines

Purchasing Functions, Use of Common Language Machines for, June 7 p 37 Purchasing Operations Analysis, P&S Div. Report on, June 14 p 70

Purdue University:

Perishable Handling Course, Mar 8 p 79
Rubenkoenig, Harry, Retires as Professor of Railway
Mechanical Engineering, Feb 8 p 18*
Pyle-National Type 20175 Floodlight, May 17 p 91*

Q

Quebec, North Shore & Laborador:

Ballasting Track at 56 Below, Mar 29 p 20*
Ore Mosement to Start in Summer, Mar 22 p 15*
Queensland Government Railways to Buy Budd Diesel Rail

Queensiabil Government Railways to Buy Buod Diesei Rail Cars, May 24 p 40 Questions and Answers for the Transportation Department, Jan 4 p 14, p 18*; Jan 18 p 14; Feb 1 p 18; Feb 15 p 30; Mar 1 p 16; Mar 15 p 16; Mar 29 p 16; Apr 12 p 17; Apr 26 p 16; May 16 p 14; May 24 p 16; June 7 p 30; June 21 p 27 Quizzes, Suggestions Needed for, May 10 p 14

Race Discrimination Case Involving Richmond, Va., Terminal Company and 11 Railroads Filled with ICC, Feb 8 p 12
Rack, Halverson Display, May 24 p 22*
Rack, Storage, for Book Tickels, May 17 p 113*
Race-Everett Rail Bonding Drilli, Apr 19 p 36*
Radiant Heating Panels in Car Steps to Prevent Icing; C&NW, Mar 1 p 26
Radio:

0: Bill to Give ICC Authority Over, Jan 11 p 128 Installations in 1953, Jan 11 p 178* Microware, Ralfrond Use of, Jan 11 p 182 Neill Music System for Cars and Trains, May 1 May 17 p

Number of Units in Railroad Service, May 31 p 5
Power Switch Controlled from Locomotive Cab;
AT&SP, Mar 15 p 65
RCA Microwave Equipment, Mar 15 p 53*
RCA Microwave Equipment, Mar 15 p 53*
T&P Wreck Train Equipped with, Feb 15 p 40
Walkie-Talkies, AT&SP Use of, Apr 19 p 40*
Walkie-Talkies, T&SP Use of, Feb 15 p 18*
Broadwate of AMMERICAN SERVICES OF SERVICES

Radio Broadcasts of AAR to End, June 14 p 11
Radio Corporation of America:
Microwave Equipment, June 28 p 44*
"School" for Rallroad Communications Personnel, June 14 p 71*
To Enter Rallroad Communications Field, Mar 29 p 29
Radio Power Supply, Safety Motor Generator Set for, Feb. 8 p 55*
Radio Train Communication (See Train Communication)
Radio Yard Communication (See Yard Communication)
Rali:

AREA Report on, Mar 22 p 97, p 100
Continuous Welded, AREA Report on, Mar 22 p 98
Continuous Welded; Amount Laid, Mar 22 p 98
Continuous Welded; AREAS Program, Feb 8 p 85
Continuous Welded; TR&W, Feb 22 p 17*
Curre-Wear Problem on B&LE, Feb 15 p 25*
Effect of Dieseltzation on, Mar 22 p 163
Failures, AREA Reoprt on, Mar 22 p 97
Heat Treatment at Sicellon Plant; Bethichem Steel
Company, Apr 5 p 70*
NYNIKH Mechanized Rail-Laying Operaions, Jan 18
p 18*; Correction, Feb 8 p 82
Repeaval Estimate for 1954 Jan, 11 p 174

NYM-MRH Mechanized Rail-Laying Operaions, Jan 18 p 18*; Correction, Feb 8 p 82; Renewal Estimate for 1954, Jan, 11 p 174
Renewals, 1920-53, Jan 11 p 174*
Shelly Spots, AREA Report on, Mar 22 p 97
Rail Bonding Drill, Raco-Everett, Apr 19 p 38*
Rail-Highway Transportation (See Coordinated Rail-Highway Service)
Rail-Highway Unit for US Army, May 17 p 92*
Rail Propulsion Car, Koehring Improved, Mar 15 p 55*
Rail-Trailer Company:
NYC "Piggyback" Service Studied by, Jan 25 p 11;
Apr 19 p 11; June 7 p 7
Who Shall be "Piggyback" 7; May 10 p 25*; June 7 p 7
Rail Transportation Institute, Eighth, Feb 8 p 18; Mar 22 p 13, p 15; Apr 5 p 11, p 75; Apr 12 p 7*
Railrand Accessories Corporations: Rail Bonding Drill, Apr 19 p 36*

22 p. 10, p. 10, Apr.

Railroad Accessories Corporations: Rail Bonding Drill, Apr.
19 p. 36*

Railroad Industry, BRT Economic Study of, Apr. 5 p. 15.

Railroad Presidents Meet in St. Louis, Feb. 22 p. 12*

Railroad Presidents Meet in St. Louis, Feb. 22 p. 12*

Railroad Program for Cub Scouts Tentatively Scheduled for 1955, June 14 p. 7.

Railroad Public Relations Association: Annual Meeting, June 7 p. 49; June 28 p. 57*

Railroad Retirement Act:

Bill to Repeal Duai Benefit Provisions Passed, Feb. 22 p. 13; June 14 p. 13; Cost of, June 28 p. 8.

Bills to Liberalize, Feb. 22 p. 13; Mar. 22 p. 14; June 14; p. 12; June 28 p. 5.

Railroad Retirement Board: F. C. Squire Reappointed,

Railroad Retirement Board: F. C. Squire Reappointed, May 17 p 134

May 17 p 134

Railroad Retirement System Operations:
Annutities and Pensions in Force, Jan 11 p 124

Annunity, Average, in 1953, Feb 22 p 5

Benefit Payments in 1953, Jan 11 p 124

Employees Awarded Annutities in 1953, Feb 22 p 5

Floancial Operations, 1937-53, Jan 11 p 124

Tax Accrual Estimates for 1951-55, Feb 1 p 12

Tax Accruals in 1953, Jan 11 p 124

Tax Accruals in 1953, Jan 11 p 124

Tax Accruals in 1953, Jan 11 p 124

Raliroad Supply & Equipment, Inc.: Amesteam Bollers Shipped to Estrada de Ferro Santos A Jundial, May 17 p 11*

Railroad Unemployment Insurance Act; Bills to Liberalize, Feb 22 p 13; Mar 22 p 14; June 28 p 5

Railroad Unempioyment Insurance System Operations: Benefit Payments in 1953, Jan 11 p 124 Financial Operations, 1939-53, Jan 11 p 125 Sickness and Maternity Benefit Payments in 1953, Jan 11 p 121 Tax Accruals in 1953, Jan 11 p 124

Railroad Yardmasters of America: Wages and Working Rules Case, Jan 18 p 11; Feb 8 p 81; Feb 22 p 7; May 24 p 4 Railroads' "Inherent Advantages", Essay Contest on, Jan

Railroads' "Inherent Advantages", Essay Contest on, Jan. 18 p. 137
Railroads' Tariff Research Group:
Railroads' Seek Relief from Long-and-Short-Haul
Clause of IC Act's Fourth Section, Jan. 11 p. 212;
Feb. 8 p. 13
Report of Activities in 1953, Feb. 8 p. 14
Tariff Improvement Bulletins, Apr. 26 p. 11
Railroad Age:

Railray Age:

Essay Contest on "Inherent Advantages" of Railroads,

Jan 18 p 137

an Reducing Inventories and Reducing

Essay Contest on "Inherent Advantages" of Railroads,
Jan 18 p 13†
Essay Contest on Reducing Inventories and Reducing
Transportation in Non-Revenue Service, Apr 5 p 69
Ownership Change, June 7 p 15
Will Pay \$5 for Quiz Surgestions, May 10 p 14
Winner of Essay Contest on Relation of the Accounting Department to Other Branches of Railroading,
Jan 25 p 13; Feb 8 p 70*
Railway Business Association: Pamphiet Urging Repeal
of Transportation Taxes, Apr 19 p 7
Railway Business Association: Pamphiet Urging Repeal
of Transportation Taxes, Apr 19 p 7
Railway Club of Southern California: Reenactment of
1876 Golden Spike Ceremony, Feb 15 p 10*
Railway Express Agency, Inc.:
CARE Packages Processed by. Feb 1 p 6
Contracts, New and Old, Differences in, Mar 8 p 73
Getting Results in Drive for Traffic, May 17 p 127*
Operating and Organizational Changes in Effect at
Start of New Contract, Mar 8 p 72*
Service and Sales Activities Intensified, June 14 p 7
Wage Dispute, Emergency Roard Report on, Jan 11
p 214; Feb 22 p 13
Railway Freight Traffic Polls, Feb 22 p 17; Mar 8 p
10; Apr 5 p 79; Apr 19 p 15
Railway Maintenance Corporation:
McWilliams Ballast Distributor Improved, Mar 15 p
59*
Tie Replacer Developed, Mar 15 p 61*

Rewithams Ballast Distributor Improved, Mar 15 p 598
Tie Replacer Developed, Mar 15 p 618
Rallway Operations in 1953, A Review of, Jan 11 p 1108
Railway Supply Industry;
ASF Advertising Campaign to Tell How Railroads
Benefit Industry, Feb 1 p 12
Committee of Railroad Suppliers to Aid Railroads,
June 28 p 9
Railway Systems & Procedures Association;
Annual Meeting, Apr 5 p 77; May 3 p 154; June 7
p 358
Officers, Apr 26 p 12
Seminar on Operations Research Feb 8 p 11; Mar 8
p 758
Ramp for End-Loading Trailers on Flats, Mar 11 p 658

Ramp for End-Loading Trailers on Flats, Mar 11 p 65*
Ramp, Penco Magnesium Yard, May 31 p 29*
Rate Making:
Clarke, Owen, on, May 17 p 11
Dearing, C. L., on, Jan 11 p 13; Jan 25 p 46†
Differential Charging, Eastern Roads to Employ, Apr.
5 p 57†, p 75
How to Construct Competitive Rates, Feb 8 p 60†
Information, More, Needed on Specific Costs, May 3
p 33†
Johnson, J. Monroe, on, Mar 22 p 15
Milliant Frogram to Hold and Attract Freight
Traffic, Apr 5 p 57†
Pricing—for the Market of 1954, or 1904?, Apr 19 p
39†
Quantity-Scaled Rates, Shippers Favor, Apr 5 p 79
Research Needed, June 14 p 53†
Suppose Railroading Were a New Industry..., Mar 8
p 57†
Thomas, R. E., on, Feb 8 p 11

Thomas, R. E., on, Feb 8 p 11

Rate of Return: CPR Base of 6½% Rejected, Feb 22 p 16; Mar 15 p 9; Mar 29 p 29 Years 1944-53, Jan 11 p 114

Rates, Equipment Depreciation, Mar 15 p 71 Rates, Express (See Express Rates)

Rates, Express (See Express Rates)
Rates, Freight:
Bill to Permit Prompt Increases, Jan 11 p 127;
Amendments to, Mar 22 p 9: Recommitted May
17 p 3: May 24 p 13 p 25;
CPR Refused Increase, Feb 22 p 16; Mar 15 p 9;
Mar 29 p 28
Canad'an Rate Equalization Developments, Jan 11 p
198; Mar 15 p 9
Charges for Loading and Unloading Fruits and Vegetables at New York and Philiadelphia; Supreme
Court Sends Case Back to ICC, Feb 8 p 13; June
28 p 7
Class Rates (See Class Bates)

Court Scious Case Back to ICC, Feb 8 p 18; June 28 p 7 Class Rates (See Class Rates) (See Consolidated Freight Classification (See Consolidated Freight Classification) Developments in 1953, Jan 11 p 118 Drought Relief, Established in 1953, Jan 11 p 119; Amount of Reductions, Feb 1 p 12; Railroads Thanked for, May 3 p 5
East-West Divisions Dispute, May 3 p 8; June 28 p 11
Government Reparations Cases, ICC to Hold Gral

11
Government Reparations Cases, ICC to Hold Oral
Argument on, Apr 26 p 5
Grain Rates, Ex-Lake, ICC Maintains Parity on, June

28 p 12 Index of, Compared with Wholesale Price Index, Apr 5 p 11 Intrastate, Bill to Amend ICC's Power Over, May 3 p

10 Iron and Steel, Eastern Roads to Cut, Jan 18 p 27; ICC to Investigate, Mar 29 p 28; Chart Shows Pattern of, June 28 p 68*
Iron Ore Imports; Baltimore Basis Extended to Philadelphia, Feb 22 p 16
LCL Volume Rates, Apr 5 p 12

[Illustrated articles are indicated thus*; Editorials thus*; Letters to Editor thus*]

Rates, Freight:—(Continued)

Linoleum, Reduction in, Proposed, Apr 5 p 16
Ogden Gateway Case, Feb 22 p 5; May 31 p 5
Paper, Proposed Rates on, Chart Shows the Pattern
of, June 28 p 68*
Passenger Service Deficit's Role in Divisions Cases,
ICC Views on, June 14 p 7
Quantity-Scaled Shippers Favor, Apr 5 p 79
Railroads Seek Reiber from Long-and-Short-Haul
Clause of IC Act's Fourth Section, Jan 11 p 212;
Feb 8 p 12
Rate Advance Case (Ex Parte 175) Review of
Developments in 1953, Jan 11 p 118
Rate Advance Cases: ICC Comment on Time Involved
in Processing Petitions, Feb 8 p 77
Roofing, Truck-Competitive Rates on, Mar 22 p 5;
Mar 29 p 25*
Section 22 Quotations, ICC Proposed Rule Would
Require Filing of, Apr 5 p 15; May 31 p 5
Section 22 Reductions, Bill to End Government
Eligibility for, Mar 8 p 16
Small Shipments Case Discontinued by ICC, Feb 22
p 74
Snokane Gateway. CMSTPAP Seeks Probe of, Mar 22 kane Gateway, CMSTP&P Seeks Probe of, Mar 22 Spokane Gateway, CMSTP&P Seeks Probe of, Mar 22 p p 9

Rates, Milage (See Milage Rates)
Rates, Motor Truck (See Motor Truck Rates)
Rates, Motor Truck (See Motor Truck Rates)
Rates, Parcel Post (See Parcel Post Rates)
Rates, Per Diem (See Per Diem Rates)
Rading:
Emergency Fire Wagon, Feb 15 p 8*
Employee Safety Record, Feb 8 p 8
Trailers-on-Flats Service Planned, June 7 p 8
Ready Power Company: 50, 30 and 20 kw. Generators,
Marshamer Service Planned, June 7 p 8
Ready Power Company: 50, 30 and 20 kw. Generators,
Marshamer Service Planned Comportation, B&A Buys Bonds
from, Apr 12 p 12
Recordak Supermatic Microfilmer, Feb 22 p 49*
Records Wager Microfilmer, Feb 22 p 50*
Record Microfilmer Seeding Controlled; NRMC Research on, May 24
p 29*
Records Miks Menor on Mar 22 p 105 Records, AREA Report on, Mar 22 p 165 Rectifier Interference Cut on Telephone Lines, Mar 8 p 67* Rectifier Locomotives; PRR, Mar 8 p 67* Rectifier Locary, NYMABH, Mar 15 p 66*; May 3 p 9* Rectifier M-U Cars, N12Ment, Sun to Regulation:
Canadian Provinces to Retain Control of Motor Truck
Operations, Apr 5 p 11; May 17 p 15
Eaton, Cyrus, on, Mar 15 p 13
Guiding Principles; C. L. Dearing on, Jan 11 p 13;
Jan 25 p 467
ICC Affirms Plan to Tie Frisco Trucks to Railroad,
Jan 4 p 11
ICC Warns of Common Carriers' Troubles, Feb 15
p 237 Pricing—1 the Market of Both Pricing—1 39t Public Relations Men Discuss, June 25 p 59° Suppose Rairoading Were a New Industry Mar 8 p 57† Understanding the Concept of Over-Regulation, May 24 p 25† Regulatory Agencies, Organization of, ICC Practitioners Panel Discussion on, June 7 p 9
Relay, Westinghouse Impluse, Prevents Flashover Damage, Feb 22 p 40° Release Handle, Morton Type B-J Vestibule Curtain, May 17 p 92° Relay, Westingmost Proceedings, Jan 11 p 114; Peb 12 p 40°
Release Handle, Morton Type B-J Vestibule Curtain, May 17 p 92°
Reliance Electric & Engineering Company: Protected and Enclosed Induction Motors, Feb 8 p 55°
Rental Accounting on the NYC, Feb 22 p 66°
Reorganization of Railroads:
Buston & Providence Proceedings, Jan 25 p 17
FEC Plan, Supreme Court Rules ICC Cannot Force Merger as Part of, Jan 11 p 115; Apr 12 p 7
Fringe Costs; Comm. Mitchell on, Mar 8 p 10
Long Island Proceedings, May 31 p 11; June 21 p 4;
June 28 p 25
Missouri Pacific Proceedings, Jan 11 p 114; Feb 1 p 28; Feb 22 p 74; Mar 8 p 10; Apr 19 p 55; May 17 p 14
NY0&W Proceedings, Feb 22 p 75; Mar 15 p 74, p 77 Transfer of Reorganizations in 1953, Jan 11 p 114
Wisconsin Central Proceedings Ended, Mar 15 p 5,
p 71; Mar 22 p 12*
Reorganization Study of the Government, Recommendations
Made in, Jan 11 p 130
Repairs (See Maintenance of Equipment; Shops)
Reparations Cases Involving Government Wartime Freight
Rates, ICC to Hold Oral Argument on, Apr 26 p 5
Research: Research:

AAR Research is Paying Off, Apr 26 p 9

AAR Research What's New in, Feb 15 p 24*, p 34*

Sales and Pricing Research Needed, June 14 p 53†

Research Laboratories:

American Brake Shoe Company, for Journal Bearing
Research, May 3 p 40

AAR Mechanical Laboratory in Chicago, Feb 15 p 34*

Revenue Contribution, Distribution of, by Commodity

Groups, Jan 4 p 9

Revenue Per Passenger-Mile Received by Railroads, Air

Lines and Motor Coach Lines in 1953, June 28 p 10

Revenue Per Passenger Received by Railroads, Air Lines

and Motor Coach Lines, June 28 p 11

Revenue Per Ton-Mile and Per Passenger-Mile, 1944-53,

Jan 11 p 120

Review of Railway Operations in 1953, Jan 11 p 110*, p 133*
Rielmond, Va., Terminal Company: Race Discrimination Case Filed with ICC, Feb 8 p 12
"Rite-Way" Brand Sta-Klor (Weed Killer), Mar 15 p 58
Roadbeel Stabilization, AREA Report on, Mar 22 p 93
Roadmasters' & Maintenance of Way Association: Plans for Annual Convention, May 24 p p 13
Roadway, AREA Report on, Mar 22 p 93, p 100
Roadway Restoration Operations: AT&SF, Jan 25 p 47*
Robertshaw-Fulton Controls Company:
Freedoms Foundation Awards Won by Mar 8 p 78
Multipoint Chart Recorders, Feb 22 p 50*
Rock Anchor Boit, Bethlehem, Mar 15 p 55*
Roll-0ff Accessory, Towmotor, Jan 25 p 41*
Roller-Bearing Equipped Flat Cars; Southern, May 24 p 35*
Roller Bearing-Equipped Hopper Cars; WM, Apr 26 p 38* 25° Rope Crowd Front: American Holst & Derrick Company, Apr 5 p 52° Ross & White Wilson Window Washer, Mar 15 p 53° Rowe Corp.: Dining Car Vending Machines, Jan 18 p 9° Rules for Inspection and Testing of Self-Propelled Cars Prescribed by ICC. May 31 p 13 Rules Governing Carrier Participation in ICC Cases Proposed, June 7 p 9 Rust Preventative: "Blakled", Apr 19 p 36 Rust Preventave: "Blakled", Mar 15 p 57 Rutland: and: Car Building Budgeted, June 28 p 23 Caverly, G. A., Elected President, Jan 25 p 55* Sacramento Northern: Arcade Trestle Reopened, May 10 p 9 Safety: Safety:
Importance to the Individual, Apr 5 p 15
Progress in; W. T. Farley on, Mar 22 p 10
Safety Appliance Legislation, Development of, Feb 1 p 8
Safety Awards, Railroad Employee: NSC, May 31 p 11
Safety Car Heating & Lighting Company: B-1042-2 Motor
Generator Set for Radio Power Supply, Feb 8 p 55*
Safety Records: Generator Set for Radio Power Supply, Feb 8 Safety Records; Radiroad, in 1953, Jan 11 p 123 Reading Employee Record in 1953, Feb 8 p Safety Stickers, "Seotchlite"; GN. Apr 19 p 14* Safety Support. Brake Beam, June 28 p 44* 8t. Lawrence Scaway; St. Louis Southwestern:
Office Building at Tyler, Tex., Mar 8 p 13*
To Lease StLSW of Texas, Jan 4 p 28; Mar 8 p 13*
Salaries Over \$20,000 in 1952, ICC Report on, Mar 15 p
10 10
Salaries (See also Employees: Wages)
Sales Campaign Planned by C&EI, May 24 p 7*
Sales Campaign Planned by CRI&P, Apr 12 p 8
Sales Campaigns, Employees Asked to Help in, June 14 p 5
Sales Meeting: MStP&SSM, Feb 22 p 57*
Sales, Passenger, How C&O Builds, Mar 29 p 26*
Sales Performance, NS Dieselometer Dramatizes, May 17 p 9*
Sales Research, Need for, June 14 p 53†
Saunders, W. B., on Use of Costs in Making Competitive
Rates, Feb 8 p 60†
Saunders Marketing Research and Canadian Opinion Company: CNR Travel Market Survey, Mar 22 p 77

Savings:

AAR Research is Paying Off, Apr 26 p 9
CP< Diesel to Pay Out in Six Years, Apr 5 p 13*
C&NW Traller-son-Flats Service, Mar 22 p 5
Mechanized Maintenance Equipment; PRR, Mar 8 p 15
Plastinali Flooring for Box Cars, Jan 4 p 20*
The Pads, on NYNH&H, Jan 18 p 18*; Correction,
Feb 8 p 82
Saw, Homelite Model 17 Chain, Mar 15 p 60*
Saylor Beall Company: Equipment for C&NW Converted
Refrigerator Car, June 7 p 47
Scaffolding, Sharon Steel, Mar 15 p 61*
Scale Section of National Bureau of Standards Reorganized, Mar 29 p 7
Scholarship Established by Paul Renshaw, Feb 8 p 82
Schram, Inc.: Mobile Welding Outfit, Mar 15 p 59*
"Seatchlett" Safely Stickers; GN, Apr 19 p 14*
Scythe, Jarl Power, Apr 5 p 52*
"Sea-Land" Service Proposed by McLean Trucking Company, Feb 22 p 14
Seaboard Air Libre:
Bibs, Paper, for Children, May 17 p 113*
Cars, Grill, Feb 1 p 10*
Virginia Division Newsletter, June 14 p 7
Yard at Hamlet, N. C., Mar 29 p 6*; Apr 12 p 14*;
Apr 26 p 36
Sealer (Tarvia Bituminous Gel), Mar 15 p 58
Seal Austin Adjustable Headrest, May 17 p 110*
Seat for Children's Use in Diners, May 17 p 110*
Seat for Children's Use in Diners, May 17 p 110*
Seat and Standard Scales of Company o cures:

Car-Mile, in 1952, Mar 15 p 7

Estimate for 1954, Jan 11 p 11

Mail Revenues in Fifth Place Ju 1953, June 7 p 14

Percent Converted to Net Railway Operating Income in 1953, Mar 1 p 13

nues and Expenses:

Dining Car Business in 1953, June 28 p 10

Monthly Figures by Individual Roads; November, Jan 25 p 36; December, Mar 1 p 27; January, Mar 22 p 61; February, Apr 19 p 57; March, May 17 p 128; April, June 21 p 13

Monthly Summaries: November, Jan 11 p 248; Jan 18 p 12; December, Feb 15 p 9; January, Mar 15 p 10; February, Apr 12 p 11; March, May 10 p 7; April, June 7 p 13

Per Million Gross Ton-Miles, 1940-53, June 7 p 14

Years 1949-53, Jan 11 p 8*

ew of Railway Operations in 1953, Jan 11 p 110*, p 133* Securities:

Securities:

Developments in 1953, Jan 11 p 152*

Increase in Value of Ruitrond Stocks, Jan 11 p 248

Offered for Sale, 1931-53, Jan 11 p 155

Sellers Diesel Locomotive Truck Cleaner, Jan 25 p 41*

Sellers Fuel Oil Tank Cleaner, Jan 25 p 41*

Sellers Fuel Oil Tank Cleaner, Jan 25 p 41*

Senate Committee on Interstate and Foreign Commerce:

Hearings on Motor Truck Trip-Leasing Bill, June 14 p 13

Membership of, Feb 8 p 82

Subcommittees Named, Feb 8 p 82

Suppers' Regional Advisors Boards:

Comparison of Estimated and Actual Car Loadings in Fourth Quarter of 1953, June 7 p 14

Estimates of Car Loadings in First Quarter, Jan 11 p 13; Second Quarter, Apr 5 p 16

Necessary Evil, Says W. W. Brown, May 17 p 19; June 28 p 22

Shopemiker, Perry, Urges Boards to Avoid Compilacency, Feb 8 p 15 35*
Bearing-Equipped Hopper Cars: WM, Apr 26 p 38*
Cable Corporation: Weatherproof Fiberglass Covered
Line Wire, May 31 p 25 ing:
Aluminum Lightweight, May 3 p 27*
Truck-Competitive Rates on, Mar 22 p 5; Mar 29 p
25* Car Building in, G. Metzman on, May 31 p 32°;
June 28 p 23, p 30°2
How a Passenger Car Is Built, May 17 p 116°
Locomotive Rebuilding and Repair Service; Alco,
Feb 1 p 13; GE, Mar 1 p 11
New Orleans Union Passenger Terminal, Apr 26 p 29°
StL-SF Diesel, June 21 p 33°
Shops and Equipment in 1953, Jan 11 p 162°, p 176°
Straight-Line" Engine Cleaning: Wabash, Jan 25 p
53° She What Kind for Diesel Meintenance?, June 21 p 33° Short Lines Should be Considered in Per Diem, June 14 p 9
Shovel, American Hoist & Dertick Crane and Rock, Mat 15 p 56° Shovel, Mehigan Tractor, Jan 4 p 15° Showersan; West Disinfectani Company, Apr 19 p 36 Siekness and Maternity Benefit Payments in 1953, Jan 11 n 12° Showersan; West Disinfectani Company, Apr 19 p 36 Siekness and Maternity Benefit Payments in 1953, Jan 11 n 12° Showersan; ty Support. Brake Beam, June 28 p 448
Lawrence Seaway:
After-the-Battle Editorial Prediction, May 17 p 157
Appropriation for, Feb 1 p 12
Developments in 1953, Jan 11 p 128
Legislation, Passage of, Jan 18 p 8; Jan 25 p 11;
Feb 8 p 8; May 10 p 4; May 17 p 14; May 31
p 45
Louis Car Company Shovel, Michigan Tracco, Sbowersan; West Disinfectant Company. Apr. Sbowersan; West Disinfectant Company. Apr. Sickness and Maternity Benefit Payments in 1953, Jan 11 p 124
Sight X. Sound Enterprises: Talking Advertisements, May 17 p 113*

Mars Tri-Eight, May 3 p 28*

Traffic Control: Inter-17 p 113**

Signal Lights, Mars Tri-Eight, May 3 p 28*

Signalligits, Gee also Centralized Traffic Control; Interlockings; Trafn Stop, etc.)

CB&Q Wayside and Cab Signaling; Chicago-Aurora, June 28 p 54*

Construction in 1953, Jan 11 p 168*

Facilities in Service on January 1, 1953, Feb 8 p 16

New Orleans Union Passenger Terminal, Apr 26 p 32*

Wabash Yard at Decatur, Mar 8 p 69* p 45
Louis Car Company;
C&NW Double-Deck Suburban Cars. Mar 1 p 25*
Illinois Terminal Cabooses, Mar 15 p 11*
Leuis-San Francisco:
CofGA, Frisco Will No Acquire, Jan 18 p 6; Feb 8
p 8; May 17 p 5
Cranes, Steam-Powered, Go Diesel, Mar 20 p 18*
Management Series: People, May 3 p 34*; Shops,
June 21 p 33*
Map, May 3 p 35*
Map, May 3 p 35*
Map, May 3 p 35*
Water Train for Drought-Striken Area, Mar 8 p 12*
Leuis Southwestern: Signaling Order Speed Limit, ICC Requires Observance of, June 21 p 4 Silver Dutrax Cable; Cleaner Surface Makes Installa-tion Easler, Apr 19 p 36 City & New Orleans Barge Lines Service on Mississippi Approved by ICC, Feb 8 p 12 Simmons-Boardman Publishing Corporation: Ownership Change, June 7 p 15 Slack Adjuster, Franklin Balmar Automatic, June 14 p 44° Small Shipments Case Discontinued by ICC, Feb 22 p 74 Socialism and Capitalism, Distinction Between, Jan 11 p 165

Socialism, Essence of, June 28 p 56 Socialism, Unpleasant Experience of, May Start Crusade Against, May 31 p 45; June 14 p 57 Society for the Preservation of Steam Locomotives and the Men Who Ran Them Formed by B&O Engineers, May 3 p 14 Soil Mechanics, AREA Report on, Mar 22 p 93
Solar Discs Control Temperature in AT&SF Dome Cars,
Apr 5 p 65*

Sonotone Corporation: Sintered-Plate Type Storage Bat-tery, Feb 8 p 56*

tery, Feb 8 p 56*
Southern and Southwestern Railway Club: Development of
Safety Appliance Legislation and Rules, Feb 1 p 8

Southern and Southwestern Railway Club: Development of Safety Appliance Legislation and Rules, Feb 1 p 8 Southern Pacific:

Car, Gallery, Borrowed from CB&Q, Feb 8 p 13: Commuters Like, Apr 5 p 16; 10 Cars Ordered, June 21 p 10

Cars, Drop-Door Air-Dump, May 3 p 7*

"Clinics" for Freight Station Employees, Feb 8 p 8 Eckatt Seed Company Conveyor Delivers to Trackside, Feb 8 p 74*

Family Fare Plan, June 14 p 15

Fires in Cotton Shipments to be Studied, Mar 10 p 4 Freight Service to Northwest Speeded Up, Apr 19 p 7

"Golden Gate" Extra Fare Reduced, Feb 8 p 13

Passenger Service Abandonment Case: Order to Continue and Re-equip Train Upheld by Supreme Court, Jan 11 p 15

Rack, Storage, for Book Tickets May 17 p 113*

Telephone Dialing Extended, Jan 25 p 8

Ties, Wood, Secondary Species of, Tested, May 3 p 45

Yard at Roseellle, Grades in, May 21 p 162.

Southern Railroads Tailor Rates to Meet Competition, Mar 22 p 5; Mar 29 p 25*

Southern Railway:

Cars, Flet, with Roller Bearings, May 24 p 33*

CTC Installation; Ludiow, Ky.-Tateville, Uses Alternate Sections of Single and bouble Track, May 31 p 46.

Spanish National Railroads: Diesel M-U Trains, June 14 p 57*

Specialist, Evaluating the, May 17 p 123

Speed of Trains:

"Broadway Limited" Running Time Cut, Apr 19 p 7

Economical, AREA Report on, Mar 22 p 105

Freight and Passenger Train Speed, 1944-53, Jan 11 p 123

French National Railways Test Train Runs 151 MPH, May 3 p 43*

Schedule Changes, May 3 p 7

"Ywentieth Century Limited" and "Commodore Vanderbilt" Running Time Cut, Apr 19 p 7

Wabash "Cromon Ball" Speeded Up, May 17 p 9

Speed Recorder, Matisa Electric Remote Drive, June 28 p 150

Speed Recorder, Matisa Electric Remote Drive, June 28 p 150

Speed Recorder, Matisa Electric Remote Drive, June 28 p 150

Speed Recorder, Matisa Electric Remote Drive, June 28 p 150

Rand Speed Recorder of Remote Drive, June 28 p 150

Speed Recorder, Matisa Electric Remote Drive, June 29 p 105

Freight and Passenger Train Speed 1944-53, Jan 11 p 120

Speed Recorder, Matisa

Speed Recorder, Matisa Electric Remote Drive, June 28 p 438

"Speedwalk" Belt Conveyor; H&M, Feb 22 p 508; June 14 p 114

Spokane International Service Halted by High Water, May 31 p 16

Spokane Portland & Seattle; CMSTP&P Seeks Probe of Spokane Gateway, Mar 22 p 9

"Squeeze-Test" Machine for Passenger Cars Acquired by AAR, May 17 p 5

Sta-Klor (Weed Killer), Mar 15 p 58

Stainless Steel (See Steel, Stainless)

Standards for Pallets, A8A to Develop, Mar 29 p 7

Standord Research Institute to Study Fires in Cotton Shipments for the SP, May 10 p 4

Stater Island Transit Facilities, Pian to Integrate, June 7 p 8

Station Code, Universal, Amended, June 7 p 46

Station Transit Facilities, Pian to Integrate, June Station Code, Universal, Amended, June 7 p 46 Station, Feeight, at Sanford, Fla.; ACL, May 31 p 38* Stations, Passenger:
ACL at Sanford, Fla., May 31 p 38* CMSTP&P, at Tacoma, June 21 p 30* Design, Trends in, May 17 p 107* GN at Sauk Centre, Minn., Jan 4 p 11* JCL at Elizabeth Modernized, Jan 18 p 30 Landscaping as a Good-Will Builder, June 14 p 54* Modernization of, May 17 p 107* TAP at Atlanta, Tex., Remodeled, June 7 p 40* Statislies.

Statisties: Annual Report Tables for Individual Roads, Apr 5 p Annual Report Tables for Individual Roads, Apr 5 p 82; May 3 p 17 Business Machine Methods; Superintendents Report on, June 24 p 39 Integrated Data Processing, June 7 p 35* Universal Station Code Amended, June 7 p 46 Wanted: Potent Control Data, Jan 11 p 166* "Steam Runners' Society" Formed by B&O Engineers, May 3 p 14

3 p 14
Steel Companies, Plant Expenditures Made by, Mar 15 p 7
Steel, Stalniess. Passenger Car, Pullman-Standard, May 10 p 4; May 24 p 27
Steelmaking Capacity of U. S. in 1954, Jan 25 p 8
Stephens-Adamson Manufacturing Company: H&M "Speedwalk", Feb 22 p 50*; June 14 p 11*
Steps, Car, Radiant Heating Panels Prevent Icing on, Mar 1 p 26

Stikon Thermometers, Jan 11 p 101° Stock Capitulzation in 1933, Jan 11 p 155 Stock Dividend to be Issued by M&STL, Jan 11 p 248; Feb 22 p 77; Apr 5 p 84; May 17 p 13

Stock Option Plans: Great Northern, Apr 12 p 34; May 24 p 44 Illinois Central, Feb 22 p 77; Apr 5 p 84; May 31

p 16 Northern Pacific, Mar 29 p 31

Stock Ownership Best Anti-Communism, Mar 15 p 13 Stock Prices in 1953, Jan 11 p 152 Stock Split Proposals: Akron, Canton & Youngstown, Apr 26 p 38 Great Northern, Mar 29 p 31; Apr 12 p 31; May 24 p 44
Hilinois Central, Feb 22 p 77; Apr 5 p 84; Apr 26
p 38; May 31 p 16; June 28 p 24

Stocks, Railroad, Increase in Value of, Jan 11 p 248 Storage Rack for Book Tickets, May 17 p 113° Storekeeping, Use of Common Language Machines for, June 7 p 37

ies:
Chicago & Illinois Midland, Apr 12 p 12; Apr 19 p 13
Michigan Central Strike Called Off, Mar 15 p 74
"Queen Mary" Passengers Travel by Train to Halifax
Because of, Apr 5 p 5; Apr 12 p 34*
Southern Strike Threat Averted, Mar 8 p 12

Because of, Apr 5 p 5; Apr 12 p 34*
Southern Strike Threat Averted, Mar 8 p 12
Subsidies:

Air Coordinating Committee Report on, June 7 p 14
Air Mall, Jan 11 p 131
Dearing, C. L., on, Jan 11 p 14
Getting the Subsidies Out of Suburban Service, Jan
4 p 13*
Iniependent Advisory Committee to the Trucking
Industry Urges Investigation of Railroads, May 31.
p 11:
Suburban Service (See Passenger Service: Suburban
Service)
Superintendent's Responsibility for Good Employee and
Public Relations, June 21 p 39
Supervision, Exacting, Required for Loss and Damage
Prevention, May 3 p 39
Supervision, Exacting, Required for Loss and Damage
Prevention, May 3 p 39
Supervision, Exacting, Required for Loss and Damage
Prevention, May 3 p 39
Supervision, Exacting, Required for Loss and Damage
Prevention, May 3 p 39
Supervision Exacting, Required For Loss and Damage
Prevention, May 3 p 39
Supervision Exacting, Heading of Loss and Damage
Prevention, May 3 p 39
Supervision State Railways: Hotels on Wheels, Mar 22 p 16*
Swits Exclusive State Railways: Paliet Pool, Mar 29 p 7
Switch State Railways: Paliet Pool, Mar 29 p 7
Switch State Railways: Paliet Pool, Mar 29 p 7
Switch Stand, Bethlehem, Mar 15 p 52*
Switch, Power, Controlled by Radio in Locomotive Cab;
ArtaSF, Mar 15 p 65*
Switch Stand, Bethlehem, Mar 15 p 52*
Switching, Flat vs. Hump, Superintendents' Report on,
June 21 p 38
Switching, Operations Checked by TV Camera; PRR, Mar 1
P 5; May 3 p 42*
Switchkeys, Collection of, Apr 5 p 9*
Switching Operations Checked by TV Camera; PRR, Mar 1
P 19; May 3 p 42*
Switchkeys, Collection of, Apr 5 p 9*
Switching, University of North America: Wage Settlement
Rejected, Jan 11 p 117; Jan 18 p 11; Jan 25 p
14; Feb 8 p 8; Mar 29 p 4; "Trainmen" Package
Accepted, May 3 p 8

T

'Ta-Ka-Check'' Taxi Service System, May 17 p 111*

Tarka-Cleek Task Service System, May 17 p 1117
Talgo Trains:
CRI&P to Purchase, June 28 p 23, p 60*
G-yhound Corporation Comment on, Jan. 4 p 7
WYNH&H to Test, Apr 5 p 79; June 21 p 4
Tamper, Kershaw Jack-Ail Redesigned, Mar 15 p 55*
Tarkia Bituminous Gel, Mar 15 p 58
Tarkia Bituminous Gel, Mar 15 p 58
Taxes;

s:
Amount Paid by Truckers in Little Rock, Mar 15 p 7
CAA Report on Airway User Charges, Feb 8 p 12
Exemption of City Transit Service Proposed by Bus
Transportation, June 14 p 7
Freight Transportation Tax (See Freight Transporta-

tion Tax)
Hilmois Drive to Collect Taxes on Sales to Railroads,
Feb 15 p 5
Passenger Transportation Tax (See Passenger Trans-

Passenger Transportation Tax (See Passenger Transportation Tax)
Ralifond Real Estate Taxes in New York State and New York City, June 14 p 5
Taxi Service "Ta-Ka-Check" System for, May 17 p 111*
Tektolog, Fielden, Feb 22 p 50*
Telegraph Circuits Installed in 1953, Jan 11 p 180
Tele-Lect Combination Truck Bodies, Apr 19 p 35*
Tele-Bone Circuits Installed in 1953, Jan 11 p 180
Telephone Dialing, Intercity; SP Program, Jan 25 p 8
Telephone Dialing, Intercity; SP Program, Jan 25 p 8
Telephone Installations in Freighthouses, Shops and Offices
in 1953, Jan 11 p 181
Telephone Lines, Rectifier Interference Cut on, Mar 8 p
67*

Telephone, Motorola Radio, for Use Between On-Track Equipment and Flagmen, Mar 15 p 53*
Telephone Systems in Use at New Orleans Union Passenger Terminal, Apr 26 p 33*
Television Camera Used by PRR to Watch Switching of Mail Cars in Pittsburgh Terminal, Mar 1 p 5;
May 3 p 42*
Television Programs:

CNR Gaspe Region Featured on, Apr 19 p 12*
Telyar W (Weed Killer), Mar 15 p 54
Temperature Control, Vapor Solar Discs for, Apr 5 p 65*
Temperature Control, Vapor Solar Discs for, Apr 19 p 14; May 17 p 140*
Terminal and Road Facilities Expansion Goal Reported

Terminal and Road Facilities Expansion Goal Reopened by ODM, Feb 22 p 15; Financial Limit Removed, Apr 26 p 11

Apr 26 p 11

Terminals:

AREA Report on, Mar 22 p 100, p 103, p 105

C&NW Rejects Suburban Terminal Idea, May 17 p 9

C&NW to Build Stoopping Center in Chicago Terminal, May 17 p 12

New Orleans Union Passenger Terminal, Apr 19 p 13;

Apr 26 p 22°, p 24°, p 26°, p 29°, p 30°, p 32°

NYC to Build Piggyback Terminals, Apr 19 p 11; May 3 p 5; May 17 p 9

Tester, Hypot Junior Model No. 422, Feb 8 p 56°

Tests:

Aluminum in Hooper Cars, May 31 p 43°

s:
Aluminum in Hopper Cars, May 31 p 43°
B&LE Antifreeze Corrosion Tests, Jan 18 p 22°
B&LE Rail Curve-Wear Problem, Feb 15 p 25°
Locomotive, Coal-Burning Gas-Turbine, Progress
Report on, Apr 19 p 44°
Train Performance at High Speeds; French National
Railways, May 3 p 43°

Texas & New Orleans: LCL Trailers-on-Flats Service Extended, Mar S p 11
Texas & Northern: NSC Contest Winner, May 31 p 11
Texas & Pacific:
Freedoms Foundation Awards Won by Mar S p 78
How Radio Helps the, Feb 15 p 17*
Station at Atlanta, Tex., Remodeled, June 7 p 49*
Wreck Train Equipped with Radio, Feb 15 p 40
Thermometers, Minneanolis-Honeywell Type RdF Stikon,
Jan 11 p 101*
Thrail Car Company: Southern Flat Cars, May 24 p 35*
Ticket Master", Addressograph, May 17 p 110*
Ticket Master", New, in Cleveland Union Terminal,
Jan 11 p 14*
Ticket Storage Rack, May 17 p 113*
Tickets, Intallment Buying of: PAA, May 24 p 4
Tic Pads, AREA Report on, Mar 22 p 95
Tic Pads, Rubber, Used in France, Feb 8 p 72*
Tic Plates, AIEA Report on, Mar 22 p 95
Tic Replacer Developed by Railway Maintenance Corp.,
Mar 15 p 61*
Ties:
AREA Report on, Mar 22 p 94

Ties: AREA Report on, Mar 22 p 94
Concrete, U. S. Experience with, May 3 p 44
Controlled Air-Seasoning Process for, May 3 p 46
Renewal. Estimate for 1954, Jan 11 p 175
Renewals. 1929-53, Jan 11 p 175*
Renewals. 1920-54, Jan 11 p 175*
Renewals. 1920-54, Jan 11 p 175*
Time-Lag" Bill (See Rates, Freight: Bill to Permit Prompt Increases)
Time Magazine Comment on ICC, Apr 5 p 12
Time System. IBM Self-Regulating Electronic, May 17
p 92*
Timetable Rack, Halverson. May 24 p 22*

p 92°
Timetable Rack, Halverson, May 24 p 22°
Timken Roller Bearing Company: WM Roller-Bearing Hoper Cars, Arr 26 p 33°
Toledo, Peorla & Western:
Crane, Gantry, for Handling Rail, Feb 22 p 17°
Ditch Cleaning with 07°-Track Equipment, Mar 1 p Landscaping of Deach College.

14*
Landscaping of Peorla Office Building, June 14 p 54*
Plant America' Award Received, Jan 11 p 17*
Sail, Continuous Welded, Laid, Feb 22 p 17*

"Plant America America and Plant America and Pla

Track: AREA Report on, Mar 22 p 95, p 100
CNR Sherridon-Lynn Lake Line, Feb 22 p 54*
Construction, New, Proposed by Transportation Development Corporation, May 24 p 44
Effect of Disselization on, Mar 22 p 103
"Elastic" Track Used in France, Feb 8 p 72*
Kershaw Portable Set-Off for On-Track Equipment,
Mar 15 p 60*
Track Ballasts Track at 56 Below, Mar 29 p 20*
Track Drill, Buda Model P. Apr 19 p 30*
Track Line, Feb 22 p 56*
Trackwork, Special, Heat Treatment of: Bethlehem Steel
Company, Apr 5 p 70*
Tractor Shovel, Michigan, Jan 4 p 15*
Tractors.

Company, Apr 5 p 70°

Tractor Shovel, Michigan, Jan 4 p 15°

Tractor Shovel, Michigan, Jan 4 p 15°

Tractors:
Caterpillar Improved Models 12° and D8, Mar 15 p 57°

"Clarktor 75° Towing, Mar 8 p 54°

Gravely Improved Hand, Mar 15 p 58°

Mercury Model 460° "Banty", May 3 p 28°

Yardmobile for End-Loading Trailers on Flat Cars, Mar 22 p 65°

Trademarks (See Insignia)

Traffic See Sales)

Traffic Eventives Association—Eastern Railroads Proposes Tariff Simplification, June 14 p 14

Trailer-ora-Flat Car Service:

ACF Offers Flat Car for, May 31 p 9

Arpaia, Comm. A. F. on, Apr 5 p 11

B&O, June 11 p 9; Tariff Suspended, June 21 p 7; June 28 p 10, p 49°

BRT News Release for Publicizing, May 3 p 5

CNR and CPE Expend, Jan 11 p 17; Apr 12° p 5

CNR and CPE Expend, Jan 11 p 17; Apr 12° p 5

CNR Man CPE Expend, Jan 11 p 17; Apr 12° p 5

CNR May 21° p 6; June 14° p 5; Tariff Suspended, June 21° p 7; June 28° p 10° p

[Illustrated articles are indicated thus*; Editorials thust; Letters to Editor thus:]

Trailer-on-Flat Car Service:—(Continued)
New York Traffic Club Forum on, June 7 p 7
Operations Research and, Mar 8 p 7
PiRt to Begin, May 3 p 8; May 24 p 6; June 14 p
5, p 64; Name Contest, June 14 p 7; Tariff Suspended, June 21 p 7; June 28 p 10, p 49?
"Piggsback" How—and When?, Jan 11 p 136*
Private Truckers Favor, Feb 22 p 7; Apr 26 p 11;
June 7 p 8
Pullman-Standard All-Purpose Flat Car, Apr 26 p 11; June 79 Berlin and June 79 Propose Flat Car, Apr 26 p 11; June 79 B 11; May 31 p 35*

Railway Age Editorial Diacussion of, Jan 25 p 45†; Feb 8 p 59†; Feb 22 p 53†

Reading to Offer, June 7 p 8

T&NO Extends, Mar 8 p 11

"Traileramp" for End-Loading, Mar 22 p 65*

IP Extends, May 17 p 9

Wabash, June 14 p 9; Tariff Suspended, June 21 p 7; June 28 p 10, p 19†

Who Shall be "Piggyback'd"?; E. F. Ryan on, May 10 p 25°; June 7 p 7

In on-Ship Service, MeLean Trucking Company Seeks Approval of, Feb 22 p 14 Seeks Approval of, Feb 22 p 14
Trailers:
Increase in Number of, Apr 12 p 5
Morrison, for Traveling Crews. Apr 5 p 51
Train Communication:
AT&SF Systemwide Installation. Apr 19 p 40*
Great Northern Extends, Mar 8 p 14*
How Hadio Helps the T&P, Feb 15 p 17*
Installations in 1953, Jan 11 p 179*
Number of Radio Units in Service, May 31 p 5
Number of Radio Units in Service, May 31 p 5
Number of Systems in Service on January 1, 1953,
Feb 8 p 16
Train Information Board, New; Washington, D. C. Union
Station: May 17 p 112*
Train Speed (See Speed of Trains)
Train Stop Installations in 1953, Jan 11 p 172
Training of Employees: (See also College Men on the
Haliroads: Fellowships; Schodarships)
CRIA&P Pamphiets for, Apr 19 p 5
CRS&SS Management Training Program, Feb 8 p 65*
Disbursement Accounting, Need for Training in, June
7 p 46
Foreign Transportation Institute, Seventh, May 3 p 48
Beyend AMP Course Railroad Students, May 10 p 7.* 7 p 46
Foreign Transportation Institute, Seventh, May 3 p 48
Harvard AMP Course Bailroad Students, May 10 p 7*
Industrial Transportation and Traffic Management
Institute, Sixth, Feb 8 p 18
Management Selection and Training, Feb 22 p 73
Rail Transportation Institute, Eighth, Feb 8 p 18;
Mar 22 p 13, p 15; Apr 5 p 11, p 75; Apr 12 p 7*
STI-SF Program, May 3 p 36* Train ns: AT&SF 'San Francisco Chief" Promotional Program, June 7 p 33* "California Zephyr" in Cinerama Film, Mar 15 p 70; May 17 p 14*; Load Factor on D&RGW, May 17 p 5 Diesel M-1! Trains for Spain and Portugal, June 14 p 57* German Train of New Design, Mar 15 p 62*; Mar 29 German n 10* Derman Fram or 10 to 10 Cut, Apr 19 p 7
Swedish State Railways Hotels on Wheels, Mar 22 p 16
Talgo, CRI&P to Purchase, June 28 p 23, p 60
Talgo, CRI&P to Purchase, June 28 p 23, p 60
Talgo, CRI&P to Purchase, June 28 p 23, p 60
Talgo, NYNH&H to Test, Apr 5 p 79; June 21 p 4
UP "City of Demer" Re-equipped, Mar 8 p 58;
Correction, Apr 12 p 9
Water Train for Drought-Striken Area; Mar 8 p 12
"Trakode" System; General Railway Signal Company, May
31 p 42
Transistor for Operating Model Railroad Demonistrated
by GE, May 3 p 10
Transistor for Operating Model Railroad Demonistrated
by GE, May 3 p 10
Transist Services Exemption from Taxes Proposed by Bus
Transportation, June 14 p 7
Trans-Missouri Kansas Shippers Board Meetings, Apr 5
77; June 28 p 22
Transport Lectures Sponsored by Engineering Society of
Detroit and University of Michigan, Apr 19 p 12
Transportation Association of America:
Knudson, J. K., Named Legal Consultant, May 31
p 14
Lea, C. F., Honored by, May 17 p 134
New Directors Elected, Feb 1 p 13
Transportation Center Established at Northwestern University, Jan 4 p 11
Transportation Center Established at Northwestern University, Jan 4 p 11
Transportation Development. Corporation: High-Speed
Passenger Line for New York Metropolitan Area
Proposed, May 24 p 44
Transportation Form Standpoint of National Defense,
May 31 p 15
New York and New Jersey Metropolitan Rapid Transit
Commission Recommends a Single Bi-State Agency
to Study, Mar 15 p 11
Standby Facilities. and the Long-Range Planning
Concept, June 14 p 9
Staten Island Transit, Plan to Integrate, June 7 p 8
Transportation Development Corporation Proposes
High-Speed Passenger Line for New York Metropolitan Area, May 24 p 44

Transportation, Government's Role in the Field of, Department of Commerce Study of, May 1 p 5
Transportation Policy:
Air Coordinating Committee Report on, June 7 p 14
American Economic Association Session on, Jan 11
p 13; Jan 25 p 46†
Bricker, J. W., on, May 3 p 10
Brown, Warren W., on, Apr 5 p 13
Common Carriers (See Competitive Transportation)
Dearing, C. L., on, Jan 11 p 13; Jan 25 p 46†
Knudson, J. K., on, Jan 18 p 9
Suppose Railroading Were a New Industry . .,Mar 8
p 57†
Transportation Problem, Business Week Analysis of, Mar
29 p 4 Transportation Problem, Business Week Analysis of, Mar 22 p 4
Trans World Airlines Traveling Ticket Office, May 17 p 112*
Travel Guide Issued by ACF, Apr 26 p 5
Travel: How Can Rail Travel Be Solid?, May 17 p 103*
Travel Market: CNR Survey, Mar 22 p 77
Travel Promotion Award Won by UP, Jan 11 p 212*
"Travel-Talk" Dictating Machine, May 17 p 111*
Trestles, Three, Filled by IC, June 28 p 62*
Trig-0-Matte Combination Pipe and Nut Wrench, June 14
Trinidad, GE Diesel Locomotives for, June 28 p 22*
Trucks, Diesel Locomotive, Sellers Cleaner for, Jan 25 p
41*
Trucks, Industrial: Trucks, Dieser Leconomite, Jenes Calenter, Jan 11 p 102*

Raker-Raulang "Yardloader", Jan 11 p 102*

Clark Pul-Pac and Pusher Units Redesigned, June 11 p 48*

Clark "Pulploader" Attachment, Feb 22 p 49*

Hyster 15,000-lb. Feb 22 p 50*

Kwik-Mix "Moto-Bug" Jan 11 p 101*

Townotor Roil-Off Accessory, Jan 25 p 41*

Trusteeships, Summary of, Jan 11 p 155, p 157

Trucco Paint Remoter and Coating, May 24 p 21*

Twin Coach Company: Truck Cab with Engine Between Cab Seats, Mar 22 p 7

U

U. S. Electrical Motors, Inc.;

Type SESV-GW Explosion-Proof Motor, Jan 11 p 102*
Uniclosed Type H Motor, Mar 8 p 53 *
Uniclos Appleton, May 24 p 22*
Union Pacific:

Aftertisements, Talking, May 17 p 113*
Car. Agricultural Improvement, Activities of, June 14 p 74
(ar. Tavern-Lounge ("The Pub"), Jan 25 p 12*
Cars, Chair, Dining, Sleeping, Dome, Mar 8 p 58*;
Correction, Apr 12 p 9
Cars, Gondola, Built at Denver Shops, Feb 22 p 74*
Cars, 29 More Dome, Ordered, Mar 22 p 16
"City of Denver" Re-equipped, Mar 2 p 58*
"City of San Francisco" Extra Fare Dropped, May 31 p 5 "City of San Francisco" Extra Fare Dropped, May 31 p 5
Dieselization Program, Status of, Jan 4 p 26
Family Fare Plan Extended, Feb 8 p 13
Kansas City Yard Opened, June 7 p 49
Locomotices, Gas-Turbine, Progress Report on, Apr 12 p 25°; Progress in Design, June 7 p 15°
Ogden Gateway Case, Feb 22 p 5; May 31 p 5
Ore Deposits Discovered in Wyoming, Feb 8 p 16
"Perfect Shipping Train", Apr 19 p 15°
Propane Gas Used in Gas-Turbine Locomotive, Apr 12 p 27
Trailers-on-Flats Service Extended, May 17 p 9
Travel Promotion Award Won by, Jan 11 p 212°
Union Shop Test Case, Jan 25 p 14; Mar 8 p 5
Walkie-Talkies Used by Car Inspectors, Jan 18 p 26°
on Shop:

Union Shop Test Case, Jan 20 y D., Mar 3 y 20 Walkie-Talkies Used by Car Inspectors, Jan 18 p 20* Union Shop:

AT&SF Employees Test Legality of, Jan 18 p 11; Feb 15 p 7; Feb 22 p 7; Apr 5 p 9; May 10 p 13*, June 14 p 37*4

Status of Pact Held by Union Defeated in a Representation Election May Have to be Decided, Feb 1 p 10

Status of the, Jan 11 p 117

UP Test Case, Jan 25 p 14; Mar 8 p 5

Wants Other Side of the Story, June 14 p 37*2

Unions (Sec Labor Tulins)

United Railways of Havana Purchased by Cuban Government, Jan 11 p 195

United States Department of Agriculture: Letter of Secretary Renson to Non-Operating Union's Emergency Board, Mar 1 p 7; Mar 8 p 11

United States Department of Commerce:

Bureau of Public Roads: Federal Aid Highway Funds for 1954-55 Apportioned, Jan 11 p 212

Study of Government's Roie in the Field of Transportation, Mar 1 p 5

United States Department of Defense: Transportation Deliving Realized, Feb 8 p 14

United States Department of Defense: Transportation Division Realined, Feb 8 p 14

United States Department of the Army:
Office of the Chief of Transportation:
Port Traffic Agency Transferred to Memphis,
June 14 p 14
Yount, Maj. Gen. P. F., Named Chief, Feb 1
p 11; Mar 1 p 11*
Pullman Fare Complaint Dismissed by ICC, June 28
p 11

Pullman Fare Compiaint Distributed by Sci., 2011.

11.

Road-Rail Vehicle, Versatile, May 17 p 92*

Transportation Corp's, Darenport-Besler Gas-Turbine
Switching Locomotive, Jan 25 p 52*

ed States Department of the Interior: Surrey of
Alaska Railroad, Mar 8 p 11

United States Department of the Navy: To Discontinue Railroad from Brandywine, Md. to Patuxent River; Offered to Private Enterprise, Feb 8 p 81 United States Post Office Department:

Diversion of Mail from Rails to Trucks and Air Lines, Mar 8 p 12; Mar 22 p 13; May 17 p 119 Legitlation Permits Substitution of Truck Handling of Mail for Railway Service, Mar 8 p 12; June 28 p 8

Legislation Perrits Substitution of Truck Handling of Mail for Rallway Service, Mar 8 p 12; June 28 p 8
Mail Pay Agreement Reached with Rallroads, Jan 18 p 12; Mar 22 p 7; Mar 29 p 28; May 17 p 5
Three-Cent Mail by Air, Jan 11 p 130; Extension of Service Proposed, Feb 15 p 5; Feeder Air Lines
Used, Mar 29 p 27
United States Steel Corporation: "Blakled" Rust Preventative, Apr 19 p 36
United States Superme Court Decisions:
Case Involving New York and Philadelphia Charges
for Loading and Unloading Fruits and Vegetables
Returned to ICC, Feb 8 p 13; June 28 p 7
FEC Reorganization Plan, ICC Cannot Force Merger
as Part of, Jan 11 p 115; Apr 12 p 7
SP Order to Continue and Re-equip Unprofitable
Train Upheld, Jan 11 p 15
State May Tax Flight Equipment of Air L'nes, June
14 p 12
Universal Station Code Amended, June 7 p 46
Universities, Cooperative Relations with, AREA Report on,
Mar 22 p 105
University of California, Perishables Conference to be
Held at, Apr 19 p 11
University of Michigan:
Conference on Selection and Training of Management
Personnel, Feb 22 p 9*
Transport Lectures, Apr 19 p 12
Utiliscope TV Equipment Used by PRR, May 3 p 42*

Vacation Trips as Awards to Salesmen, Apr 12 p 5
Vacations (See Non-Operating Unions' Demands for Fringe
Benefits)
Valuation Reporting for Small Roads Suspended by ICC,
May 17 p 10
Van-Car Corporation Granted Accelerated Amortization
Certificate, Jan 18 p 27
Van Packer Packaged Massonry Chimney, Mar 22 p 65
Vapor Heating Corporation:
New Plant at Niles, III., June 14 p 9*
Solar Discs in AT&SF Dome Cars, Apr 5 p 65*
Vending Machines in PRR Buffet-Bar Car, Jan 18 p 9*
Vending Machines, Use of, May 17 p 124*
Vestibule Curtain Release, Morton Type B-J, May 17 p 92*
Vestibule Diaphragms in Color Soon Availble, May 17 p
113*

Vibrator, White Model ME-130 Concrete, Mar 15 p 56* Volt-Ammeter, GE Type CF-7, Feb 8 p 56*

Wabush: ,

'Cannon Ball'' Speeded Up, May 17 p 9

Decatur Honors Century of Service by, May 3 p 11°

Family Fare Plan Extended, Feb 8 p 13

Interlockings, Signaling and Communication Systems in Decatur Yard, Mar 8 p 69°

'Straight-Line' Diesel Engine Cleaning, Jan 25 p 53°

Trailers-on-Flats Service, June 14 p 9; Tariff Suspended, June 21 p 7; June 28 p 10, p 49†

Yard Modernization Project at Detroit, Mar 8 p 14

Wages (See Employees: Wages; Salaries)

Walkic-Talkie (See Radio)

Warehouses for Diesel Parts; GE, Feb 8 p 82; Alco, May 24 p 46°

Warner & Swasey Improved Gradall, Mar 15 p 56°

Wasoe Supply Company: Durable Model D Bumping Post, Apr 19 p 35°

Washington, D. C. Union Station:

Builetin Board for Crews, May 24 p 13°

Train Information Board, New, May 17 p 112°

Water Carrier Operations:

Bulletin Board for Crews, May 24 p 13*

Train Information Board, New, May 17 p 112*

Water Carrier Operations:
Intercoastal Common-Carrier Barge Service Between Pacific Coast and Gulf of Mexico Ports Has Not Been Shown to be "Economically Practical", Says ICC Examiner, Jan 25 p 7

Tailor-Made Transportation Advised by Chester Thompson, May 24 p 4

Water Carriers: Bill to Bring Bulk Carriers Under ICC Regulation, Mar 15 p 12

Water Service, AREA Report on, Mar 22 p 100, p 105

Waterfront Terminals, AIREA Report on, Mar 22 p 103

Watson Brothers Transportation Company Tractor-Trailer Collision and Explosion, ICC Report on, Jan 4 p 9

Waybills: By-Products from Efficient Production, (Integrated Data Processing), June 7 p 35*

Weed Killers:
AIREA Report on, Mar 22 p 94

Sta-Klor, Mar 15 p 58

Telvar W, Mar 15 p 58

Telvar W, Mar 15 p 58

Telvar W, Mar 15 p 5; Jan 11 p 5; Jan 18 p 5; Jan 25 p 5; Feb 1 p 5; Feb 8 p 5; Feb 15 p 3; Feb 22 p 3; Mar 1 p 3; Mar 8 p 3; Mar 15 p 3; Mar 22 p 3; Mar 29 p 3; Apr 19 p 3; Apr 19 p 3; Apr 19 p 3; Apr 28 p 3; May 3 p 3; Mar 19 p 3; June 7 p 3; June 7 p 3; June 14 p 3, June 21 p 3; June 28 p 3

Wegmann Passenger Train of New Design, Mar 15 p 62*;

Mar 29 p 16*

Welded Rail (See Rail: Continuous Welded)

Welders:

GE Type WR40A, May 24 p 21*

Hobart Constant-Voltage D.C. Arc, Mar 8 p 54*

Welding: AT&SF All-Welded Gondola Cars, May 10 p 27*

Welding Gegtle, Wilson Kover-Mor, Mar 15 p 55*

Welding Geggle, Wilson Kover-Mor, Mar 15 p 55*

Welding Gutfit, Schramm Mobile, Mar 15 p 55*

Welding Gutfit, Schramm Mobile, Mar 15 p 59*

Welding Gegtle, Wilson Kover-Mor, Mar 15 p 50*

Welding Heimet, GE Plastic, Mar 15 p 55*

Welding Heimet, GE Plastic, Mar 15 p 50*

Weldi Welded Rall (See Rall: Continuous Welded)
Welders:
GE Type WR40A, May 24 p 21*
Hobart Constant-Voltage D.C. Are, Mar 8 p 54*
Welding: AT&S All-Welded Gondola Cars, May 10 p 27*
Welding Etectrodes:
GE Contact. Mar 8 p 54*
Lincoln Jetweld, Mar 15 p 52*; June 28 p 44
Welding Goggle, Willson Kover-Mor, Mar 15 p 57*
Welding Guttle, Schramm Mobile, Mar 15 p 57*
Welding Outfit, Schramm Mobile, Mar 15 p 59*
West Disinfectant Company: Showersan, Apr 19 p 36
Western Maryland:
Cars, Roller-Bearing Hopper, Apr 26 p 38*
Insignia, New, Mar 29 p 8*
Western Pacific:
Employees Who Helped Build Flat Cars, May 17 p
137*
Family Fare Plan, June 28 p 5

137*
Family Fare Plan, June 28 p 5
Westbound Freight Schedules Speeded up, Feb 1 p 5
Western Railroad Supply Company: Torque Wrench for
Gate Arms, Mar 15 p 57*
Western Railroad Truck Lines Association Organized,
June 28 p 22

Western Railways of Cuba Requests Bids for Equipment, May 17 p 137

Westinghouse Air Brake Company: ARAM Advertising Award Won, Jan 25 p 15; Mar 1

"At This Moment" Film Widely Available, Mar 8 p

79

Fahibit, Illuminated, May 17 p 13*

Honored for Dividend Payment Record, Mar 29 p 28*

Union Switch & Signal Division:

CB&Q Wayside and Cab Signaling; ChicagoAurora, June 28 p 51*

Electronic Control Equipment for New York City

Subways, Mar 15 p 70

Westinghouse Electric Corporation:

Brake, Type AK Motor, Feb 8 p 50*
15 Students Enrolled in Harvard 16-Months Course
for Management Groups, Feb 22 p 73
Heater, Gas-Fired Unit, Jan 5 p 15*
Lamps, Reflector, Jan 25 p 42*

Rectiner interference cut on Telephone Lines, Mar 8 p 67° Relay Impulse, Prevents Flashover Damage, Feb 22 p 45° Withdraws from Manufacture of Heavy Electrical Englishment for Railroads, June 7 p 16 Weston Model Portable Meters, May 3 p 27° Wheel Stip, Detergents May Take Place of Sand to Prevent, June 7 p 5 Wheelbarrow, Kwik-Mix "Moto-Bug", Jan 11 p 101° Wheels; Flat Car for Handling; CNR, Mar 8 p 9° White Model MS-130 Concrete Vibrator, Mar 15 p 56° Whiting Model-MA Portable Electric Jack, Jan 25 p 41° Willson Kover-Mor Gogle, Mar 15 p 53° Willson Kover-Mor Gogle, Mar 15 p 53° Willson Kover-Mor Gogle, Mar 15 p 53° Wilson Kover-Mor Gogle, Mar 15 p 53° Wilson Window Washer, Milson, Mar 15 p 53° Wilson Window Washer, Mar 15 p 53° Wisconsin Central Reorganization Completed, Mar 15 p 5, p 74; Mar 32 p 12° Wood Preservation:

AREA Reports on, May 3 p 46 Controlled Air-Seasoning Process, May 3 p 46 Woolery Fire Extinguisher Car, May 24 p 21° Woolery Push Car, Mar 15 p 61° Working Rules: (See also Names of Unions) Canadian Non-Operating Employees Seek Fringe Benefits, Feb 1; p 6 Non-Operating Unions' Demands for Fringe Benefits, Peb 15 p 46 Wrench, Torque, for Gate Arms; Western Railroad Supply Company, Mar 15 p 57 "Wrench, Torque, for Gate Arms; Western Railroad Supply Company, Mar 15 p 57 "Wrench, Torque, for Gate Arms; Western Railroad Supply Company, Mar 15 p 57 "Wrench, Trig-O-Matic Combination Pipe and Nut Wrench, June 14 p 44°

[Roy V.] Wright Essay Contest Winners, Jan 25 p 13*; Sixth Contest Announced, Apr 19 p 12

Y

Yard Communication:

Yard Communication:

AT&SF Systemwide Installation. Apr 19 p 40*
Louispeaker Installations in 1953, Jan 11 p 182
Number of Systems in Service on January 1, 1953,
Feb 8 p 16
Radio Installations in 1953, Jan 11 p 180*
Radio Installations in 1953, Jan 11 p 180*
Radio Units in Service, May 31 p 5
Up Car Inspectors Use Walkie-Talkie, Jan 18 p 20*
Wabash Facilities at Decatur, Mar 8 p 71*
Yardiooder' Truck, Jan 11 p 102*
Yardiooder' Truck, Jan 11 p 102*
Yardiooder' for End-Louding Trallers on Flat Cars, Mar 22 p 65*

AREA Report on, Mar 22 p 100, p 103, p 10 CMStP&P Bensenville Yard, Feb 1 p 19*; May

AREA Report on, Mar 22 p 100, p 103, p 103
CMStP&P Bensentille Yard, Feb 1 p 192* May 24
p 163
Coach, at New Orleans Union Passenger Terminal,
Apr 26 p 292*
Flat vs. Hump Switching, June 21 p 38
Grades in Hump Retarder Yards, May 24 p 162
LaN Plans New Yards at Louisville and Birmingham,
May 31 p 15
Net to Build Yard at Pasco, Wash., Feb 1 p 28
SAL at Hemlet, N. C., Mar 29 p 62; Apr 12 p 142;
Apr 26 p 36
UP at Kansas City Opened, June 7 p 49
Wabash, at Decatur, Interlockings, Signaling and
Communication Systems in, Mar 8 p 602*
Wabash to Modernize Yard at Detroit, Mar 8 p 11
g at a Glance, Jan 11 p 82*

Wabash to Modernize Yard at Detroit, Mar 8 p 14 Year at a Glance, Jan 11 p 8*
Young, Robert R., Wins Control of NYC, Jan 25 p 12;
Feb 1 p 11; Feb 15 p 11; Feb 22 p 7; Mar 1 p 8, p 10; Mar 8 p 9; Mar 15 p 71; Mar 22 p 10;
Mar 29 p 27; Apr 5 p 81; Apr 12 p 10; Apr 19 p 53; Apr 26 p 8, p 19† May 3 p 11; May 10 p 6; May 17 p 13; May 24 p 12; May 31 p 12, p 31†; June 7 p 3, p 13†; June 14 p 11*; June 21 p 7*, p 29†; June 28 p 12*

BOOK REVIEWS

ABC's of Air Brakes, June 14 p 41 Alloy Steels Pay Off, June 14 p 42

Collective Bargaining in the Railroad Industry, May 31 p Crookedest Railroad in the World, The, May 17 p 87

Directory of Railway Officials & Year Book, 1953-1951, Jan 11 p 98

Economic Almanac, 1953-1954, Apr 19 p 31 Economics of Transportation, Mar 22 p 110 Emett's Domain; Trains, Trams and Englishmen, Apr 19 p 33

Fastest Hound Dog in the State of Maine, Apr 5 p 45 Fifty Millions Acres: Conflicts Over Kansas Land Policy, 1854-1890, Mar 22 p 111

Heating, Ventilating, Air Conditioning Guide, 1954, June 14 p 41

History of American Industrial Science, May 31 p 50 Introduction to Railway Engineering, An, May 17 p 87

Manual of Excellent Managements, May 17 p 87 Manual of Recommended Practice of the American Railway Engineering Association, Jan 11 p 96 Materials for Product Development—1953, Mar 8 p 49

New Concepts in Structural Joint Design, Apr 19 p 31 Pioneer Railroads, May 17 p 87 Printers' Ink Directory of House Organs, June 14 p 40 Proceedings: Railway Systems and Procedures Association; 1953 Winter Meeting, Mar 8 p 40 Proceedings: Seminar on Operations Research, June 28 p 46

Railroad Wages and Labor Relations, 1900-1952, Feb 8 p

49
Railroads in Defense and War; A Bibliography, Feb 22
p 41
Railroads of New York; A Study of Government Aid, 18261875, Feb 8 p 49
Railway Adventure, Mar 8 p 50

Showmanship in Safety, Apr 5 p 46 Steel Structures Painting Manual, Feb 22 p 44 Symposlum on Diesel Locomotive Engine Maintenance, June 14 p 40

Transport and the State of Trade in Britain, June 14 p 40 Transportation for Management, Feb 8 p 49 Treasury of Railroad Folklore, A, Jan 11 p 94

ELECTIONS & APPOINTMENTS

[*Indicates photograph and sketch; Indicates sketch only]

Ackerman, Elwood C., Mar 8 p 86
Acord, Frank D., Mar 8 p 93
Adair, W. R., Mar 15 p 87
Adams, James M., Feb 8 p 97
Adamson, R. D., June 21 p 12
Ahlering, Louis J., June 14 p 79
Ahlering, Louis J., June 14 p 84
Albertson, J. N., Mar 15 p 87
Aiderson, J. N., Mar 15 p 87
Aiderson, A. D., Mar 15 p 83
Alexander, Donald R., June 14 p 54
Alger, Martin J., June 28 p 27
Alderson, A. D., Mar 15 p 83
Alexander, Donald R., June 14 p 84
Alger, Martin J., June 28 p 27
Alpert, George, Apr 26 p 8
Alsip, J. F., Mar 15 p 83
Alter, George E., Apr 26 p 44
Altschul, Herman, May 10 p 10
Amonette, Clarence O., May 24 p 49
Amoss, Martin W., Mar 8 p 86
Anderson, J. X., Jan 4 p 30
Anderson, A. W., May 24 p 45
Anderson, B. G., Feb 8 p 88

Anderson, G. A., June 28 p 65
Anderson, H. E., May 31 p 16
Anderson, Junes J., Feb 22 p 79
Anderson, Marvin, Mar 15 p 69
Anderson, R. M., June 7 p 16
Anderson, S. A., Mar 15 p 79
Anderson, S. J., Mar 22 p 68
Anderson, S. J., Mar 22 p 68
Anderson, W. H., June 28 p 25
Angst, John E., Jan 25 p 15
Anne, George E., Mar 1 p 12
Anson, Edward H., Feb 15 p 16
Arazlone, J. J., Feb 22 p 86
Archibald, C. D., Mar 17 p 143
Ardrey, Frank E., Jr., Feb 8 p 97
Arenth, V. L., Feb 1 p 30
Argo, Janes A., Mar 1 p 30
Armstrong, J. Levis, Apr 19 p 11; May 17 p 140
Armstrong, J. Levis, Apr 19 p 11; May 17 p 140
Armstrong, Robert D., Mar 22 p 68
Asbury, G., Page, June 14 p 84
Asb, T. E., Mar 8 p 80
Askew, H. T., Mar 15 p 78
Aten, K. J., June 28 p 26

Atwell, William G., June 28 p 10* Auerbach, A., Feb 22 p 90 Aughinbaugh, T. E., Apr 26 p 42 Aulenbacher, Percy A., Feb 8 p 97 Ayers, Kenneth A., Jan 25 p 15 Ayers, W. O., Apr 12 p 38

Babb, Homer H., June 28 p 25
Babcock, Harry, Apr 5 p 90
Back, N. V., Feb 1 p 31‡
Bagby, A. C., June 14 p 82
Bainbridge, D. G., June 21 p 12
Baker, Albert S., June 28 p 57*, p 59
Baker, Charles B., Feb 15 p 16
Baker, Everett G., May 24 p 45*, p 46;
June 21 p 12
Baker, F. W., Apr 12 p 38‡
Baker, John H., Jan 11 p 243
Baldridge, T. M., May 24 p 45
Baldridge, B. W., Mar 15 p 79
Bangs, R. N., May 24 p 49

Bannon, W. F., Apr 12 p 38
Banta, Dr. Perry M., Jan 11 p 243
Barnard, William B., Feb 8 p 84
Barnard, Robert M., May 24 p 49; June 14 p 82
Barnewolt, L. R., May 31 p 16
Barr, A. S., May 3 p 50
Barr, Willard, Feb 1 p 31
Barrett, C. E., Jan 11 p 253
Barrett, C. E., Jan 11 p 253
Barrett, C. E., May 24 p 19
Barrett, W. E., Jan 11 p 251
Barry, John R., Jan 25 p 55
Barry, W. J., Mar 8 p 86
Bartlatt, R. E., Feb 22 p 80
Bartlett, R. P., May 16 p 11
Barton, Fred A., Mar 15 p 79
Basch, Sherwood, Feb 8 p 84
Batalile, Edmund L., June 21 p 11
Bates, D. C., Feb 8 p 84
Bates, M. C., Feb 8 p 84
Bayer, E. J., Apr 19 p 14
Bays, A. G., Mar 15 p 83, p 87
Beals, E. K., Mar 15 p 83, p 87
Beals, E. K., Mar 15 p 83, p 87
Beals, E. K., Mar 15 p 83, p 87

ELECTIONS AND APPOINTMENTS—Continued

[*Indicates photograph and sketch; \$Indicates sketch only]

Beamer, M. R., Feb 15 p 40
Bearden, L. V., Mar 29 p 31
Beaven, W. T., Feb 22 p 86
Beckett, J. Gregg, May 17 p 143
Becketen, Robert, Feb 8 p 84
Bebler, Theodore F., May 24 p 6
Belanger, Jean E., Feb 22 p 80
Bell, William W., Mar 15 p 79*
Bend, Charles L., Mar 8 p 28
Bender, H. L., June 14 p 82
Benedetto, Henry A., Mar 8 p 93
Bennett, G. K., Feb 15 p 33
Bennett, G. K., Feb 15 p 33
Bennett, Irving T., Apr 26 p 42
Bennett, Irving T., Apr 26 p 89
Bennett, Irving T., Apr 26 p 89
Bennett, Walter, Feb 22 p 90
Benson, Daniel A., June 7 p 50
Benson, Daniel A., June 7 p 50
Benson, M. O., May 10 p 11
Benz, L. F., Apr 5 p 90
Berg, Curtis H., June 28 p 27
Berg, Raymond F., June 28 p 27
Bergman, J. C., May 24 p 49
Bergstrom, E. W., June 28 p 27
Bergman, J. C., May 24 p 45
Bent, C. F., May 24 p 44
Bilanchini, Carl, Mar 22 p 70
Bilanowicz, C. J., Feb 15 p 16
Bilerma, Robert, May 24 p 44;
Billa, Errederick W., Mar 22 p 70
Billau, Lewis S., May 10 p 11
Bilo, E. F., May 24 p 44;
Biltz, Friederick W., Mar 22 p 70
Bilnowicz, C. J., Feb 15 p 16
Bilerma, Robert, May 34 p 44;
Biltz, Friederick W., Mar 22 p 70
Bilnowicz, C. J., Feb 15 p 33
Bilner, Herbert E., Feb 8 p 85*
Borther, A. E., Feb 22 p 80
Bildau, Lewis S., May 10 p 11
Bilo, E. F., May 24 p 44
Biltz, Friederick W., Mar 22 p 70*
Bilnowin, J. B., May 10 p 11
Bilo, E. F., May 24 p 44
Biltz, Friederick W., Mar 22 p 70*
Bilnowin, J. B., May 10 p 11
Bilo, E. F., May 24 p 49
Bilack, J. H., Mar 1 p 36
Bilder, Herbert E., Feb 8 p 85*
Borther, A. E., Feb 22 p 80
Boutannon, George W., Feb 15 p 33
Blackburn, J. E., Mar 8 p 93
Blackburn, J. E., Mar 15 p 83
Booth, R. Herbert E., Feb 8 p 88
Bott H., Mar 1 p 36
Bosser, Robert E., May 17 p 13
Bossman, Benedict, Jan 11 p 259; Feb 22
Boyd, W. N., Mar 15 p 83
Boydi, D. P., Mar 8 p 94
Boyd, R. G., May 24 p 49
Boyd, R. T., Apr 19 p 14
Boyd, R. G., May 17 p 13
Bowman, Edward S., Jan 25 p 55
Bowman, R. F. P., Feb 22 p 80
Brisbin. Earl, G., Feb 15 p 37
Brisher, Lawre

Brown, Leo A., Mar 1 p 7
Brown, U. C., Feb 22 p 86
Brown, V. C., Feb 22 p 86
Brown, V. P., June 28 p 27
Bruce, I. C., Apr 5 p 92*
Bryan, M. R., Feb 8 p 97
Bryant, Ralph C., June 28 p 22
Brydon-Jack, W. A. V., June 14 p 79
Buchanan, Mary, June 14 p 84
Buddd, Ralph, June 14 p 14
Buford, Curtis D., Feb 22 p 96
Bufman, H. C., Jan 11 p 253
Bunting, R. Paul, Feb 22 p 79
Burgess, C. H., May 10 p 11*; May 24
p 49
Burks, G. E., May 10 p 11*; May 24
p 49
Burks, G. E., May 3 p 11
Burks, Martin P., May 21 p 48
Burns, J. E., Mar 22 p 68
Burne, B. R., Feb 8 p 88
Burne, W. G., Apr 5 p 88
Burne, W. G., Apr 5 p 88
Burton, W. J., Mar 8 p 86
Bursell, W. S. C., Feb 8 p 88
Bursell, W. S. C., Feb 8 p 88
Bursell, W. S. C., Feb 8 p 88
Burler, James A., May 17 p 138
Byers, B. M., Feb 15 p 16
Byers, J. F., Jr., Feb 15 p 16
Byers, J. F., Jr., Feb 15 p 16

C

Cadieux, A. Hector, Jan 11 p 250
Caln, George L., Feb 1 p 30*
Calras, J. H., May 24 p 49
Callison, William A., Feb 8 p 81*
Calvin, William A., June 28 p 92
Campbell, Albert G., Apr 12 p 34
Campbell, Albert G., Apr 12 p 34
Campbell, Allan N., Mar 8 p 78*
Campbell, Allan N., Mar 8 p 78*
Campbell, E. D., Feb 22 p 86
Campbell, E. H., Mar 15 p 78
Campbell, F. H., Mar 15 p 79
Campbell, Matthew J., Apr 26 p 39
Campbell, Richard A., Feb 8 p 86
Camady, R. C., Mar 15 p 78
Carlot, J. R., May 24 p 45
Carey, H. F., Mar 15 p 79
Carkind, J. Georgh, June 25 n 27
Carlston, Jaseph D., June 25 n 27
Carlston, Jaseph C., June 25 n 27
Carlston, James A., May 31 p 21
Carnahan, C. O., May 24 p 15
Carpenter, R. A., Apr 19 p 14
Carr, Col. William S., June 7 p 50
Carpetter, R. A., Apr 19 p 14
Carr, Col. William S., June 7 p 50
Carrick, Robert C., Feb 22 p 79
Carroll, William J., Feb 22 p 88
Carter, Everett P., Sr., Jan 18 p 31
Carter, Harold E., Jan 11 p 254
Carter, W. A. J., Jan 11 p 254
Carter, W. A. J

Clarke, Owen F., Mar 29 p 6; May 15°
Clayton, L. R., Feb 15 p 33
Claytor, R. R., May 24 p 48
Clejan, D., June 7 p 45
Clem, Abert H., Apr 26 p 42
Clough, P. E., Feb 8 p 88
Clyne, Robert W., Mar 8 p 79°
Code, Charles J., Jan 25 p 55
Coffey, A. Langley, Apr 19 p 7
Coghian, J. F., Jr., May 3 p 50
Coll, C. W., May 24 p 49
Cole, L. J., Mar 8 p 86
Coleman, David R., Jan 11 p 251

Collins, Dr. Joseph D., Mar 15 p 83
Collins, Dr. Joseph D., Mar 15 p 83
Collins, Thomas B., Mar 8 p 93
Collins, Thomas B., Mar 8 p 93
Colman, Ben, Apr 26 p 398
Coltart, Rodney F., June 7 p 16
Colton, B. L., Jan 25 p 13
Colville, A. B., Jan 4 p 30
Colwell, Clyde B., Jr., Apr 26 p 42
Compton, E. A., Jan 4 p 30
Comstock, A. Barr. Jr., Mar 15 p 69
Conkin, H. Rowell, Feb 8 p 84
Connette, Richard P., Jan 4 p 28
Connolly, Hilliam G., May 10 p 11
Conrad, F. J., June 28 p 26
Conrad, Joseph, Feb 22 p 898
Cook, H. H., Mar 15 p 77
Cooke, T. S., Jr., Apr 26 p 44
Copenhagen, David H., Feb 8 p 97*
Corazza, Charles, Feb 8 p 89
Corfield, William O., Jan 11 p 243
Corkran, B. A., June 28 p 25
Corley, Raiph A., Jr., Feb 15 p 16
Cornell, Jack, May 24 p 49
Cosporon, R. P., Feb 22 p 90
Corrigan, Dr. J. A., June 14 p 79
Corser, Caleb, May 24 p 49
Cosporon, R. P., Feb 22 p 90
Corrigan, Dr. J. A., June 14 p 79
Corser, Caleb, May 24 p 49
Cospor, R. P., Feb 22 p 86
Cowan, G. H., Feb 22 p 86
Cowan, G. H., Feb 22 p 86
Cowan, W. A., May 24 p 49
Cowlerd, Frank C., June 21 p 12
Cowler, J. C., Mar 15 p 78
Cox, Archibald, Apr 5 p 9
Cox, Archibald, Apr 5 p 9
Cox, Archibald, Apr 5 p 9
Cox, Lloyd T., June 14 p 79
Cox, Edward H., Apr 26 p 10; May 17
p 163; June 28 p 8
Cox, G. W., June 14 p 79
Cox, Lloyd T., June 14 p 82, p 84
Cox, G. W., June 14 p 79
Cox, Lloyd T., June 14 p 82, p 84
Cox, G. W., June 15 p 78
Cox, Lloyd T., June 17 p 138*
Cox, G. W., June 19 p 82, p 84
Cox, G. W., June 19 p 82, p 84
Cox, G. W., June 19 p 82, p 84
Cox, G. W., June 19 p 82, p 84
Cox, G. W., June 19 p 82, p 84
Cox, G. W., June 21 p 12
Cox, Lloyd T., June 11 p 243
Craig, Robert B., Apr 5 p 79
Craw G. H., Feb 15 p 33
Cubert, M. H., Mar 15 p 78
Cross, William F., Feb 15 p 36
Curlekshenk, C. Gordon, Mar 8 p 86
Crulckshenk, C. Gordon, Mar 8 p 87
Cunningham, Halman L., Feb 1 p 13;
Mar 1 p 12
Cunningham, Milliam L., Feb 1 p 13;
Cunningham, Milliam I., Feb 1 p 13;
Mar 1 p 12

D

Dahill, Edward J., Mar 15 p 77
Dale, Robert W., Jr., Mar 15 p 78
Dalton, J., June 14 p 82*
Dalton, Capt. M. G., Mar 15 p 78
Dalton, Capt. M. G., Mar 15 p 79
Danner, Eugene A., May 24 p 46
Darling, J. B., Feb 8 p 88
Dash, G. Allen, Jan 11 p 214
Dassonrille, Albert E., May 31 p 21
Daveaport, George L., Jr. Mar 1 p 36
Daridson, R. H., Feb 22 p 80
Daridson, Robert W., Apr 12 p 34
Daris, Champion McD., June 28 p 5
Davis, F. Lee, Jan 25 p 15
Davis, J. Julian, June 14 p 82
Davis, J. S., May 24 p 44
Davis, L. B., June 7 p 50
Davis, Russell H., June 7 p 50
Davis, Russell H., June 7 p 50
Davison, John F., Jan 4 p 29
Davison, P. M., Jr., Mar 15 p 79
Davison, P. M., Jr., Mar 15 p 79
Davison, Fred A., June 28 p 27

Dearhart, Earl L. Jr., Feb 8 p 89
DeBoer, William, June 7 p 9
de Cubas y del Marmol, Jorge E., June 14 p 79
Deggan, Thomas J., Jr., Feb 15 p 11;
Feb 22 p 86*; Mar 15 p 78
Defenderfer, Arthur W., May 24 p 49
Debm, C. R., June 7 p 50
Delambert, G. M., Mar 15 p 83
Delano, Carl E., Feb 8 p 85
Delventhal, Leo F., Jr., May 24 p 49
Demoe, John W., June 14 p 79
DeMeester, Henry, May 17 p 13
Dempsey, John J., June 7 p 48
DeNeefe, R. E., June 7 p 46*, p 47
Benison, Sylvester H., Feb 22 p 90
Dentner, Charles W., Mar 8 p 86
Denton, Wendall J., Mar 8 p 86
Denton, Wendall J., Mar 8 p 86
Dent, Charles W., Mar 8 p 86
Derr, Robert J., Jan 11 p 253
Derrig, James T., May 16 p 11
Devins, John W., Mar 8 p 15; May 17
p 13; June 28 p 65* p 15; May 17
p 13; June 28 p 65* p 15
de Waal, R., Mar 15 p 87; June 7 p 59*
DeWitt, C. T., Apr 19 p 14
Dick, W. J., May 24 p 49
Dickinson, Harry T., May 24 p 49
Dickinson, Joel D., Apr 12 p 34
Dickman, L. H., May 24 p 49
Dinkel, Stanley E., Mar 15 p 87
Dinkins, Ross H., Feb 22 p 86
Doe, I. N., Jan 4p 30
Doherty, Edward T., Feb 15 p 16
Donablue, W. N., June 14 p 79
Bonnell, F. A., Jan 11 p 254
Donovan, J. P., May 31 p 16; June 28
p 263
Dooling, Thomas H., Mar 8 p 79
Dorigan, Harry W., Feb 1 p 39*
Dow, Raymond W., May 3 p 48; May 17
p 13*
Downing, Robert W., Mar 15 p 79
Dornigan, Robert W., Mar 15 p 79
Dornigan, Robert W., Mar 15 p 79
Dornigan, Robert W., Mar 15 p 79
Derwin, Almar Apr 26 p 39
Driemseye, A. B., Feb 15 p 16
Dugan, Frank H., June 24 p 15
Driesoll, John J., Jan 25 p 55
Droman, A. H., Feb 15 p 16
Dugan, Frank H., June 24 p 10
Duffy, L. F., Feb 15 p 16
Dugan, Frank H., June 14 p 16
Dugan, Frank H., June 28 p 27
Dugan, Richard J., June 7 p 50
Duman, Kempton, Jan 25 p 15*
Dunn, Robert J., June 14 p 16
Dugan, Frank H., June 28 p 27
Dumn, Kempton, Jan 25 p 15*
Dunn, Robert J., June 14 p 16
Dugan, Frank H., June 29 p 10
Durnert, W. Lawrence, May 10 p 11
Dussak, E. A., Apr 12 p 38
Dutcher, J. N., May 24 p 49
Durrett, W. Lawrence, May 10 p 11
Dussak, E. A., Apr 12 p 38
Dutcher, J. N., May 24 p 46

E

Earl, Everett E., Mar 8 p 93
Eastland, George W., Jan 11 p 16, p
253; Feb 8 p 88
Eaton, Cyrus S., Jan 25 p 13
Eaton, Cyrus S., Jan 25 p 13
Eaton, M. E., June 28 p 65
Ebbert, F. H., Apr 26 p 39
Eberhard, Harmon S., May 3 p 11
Eble, W. R., Mar 8 p 86
Eckstein, A. W., Mar 1 p 7
Edman, Rudolph N., Apr 12 p 38
Edsforth, Charles D., Apr 5 p 88*
Edwards, Dr. Ford K., June 7 p 9
Egbert, Perry T., May 3 p 10
Egbert, Randle H., June 14 p 84*
Elichman, Walter J., Mar 15 p 69
Elchon, J. R., Jan 4 p 29
Elder, J. F., Apr 12 p 38
Elliack, James G., June 7 p 48
Ellider, M. Senjamin, Mar 8 p 86
Elliott, H. E., Feb 15 p 16*
Elliott, N. C., May 24 p 48
Ellison, G. W., May 10 p 11
Elmsile, S. P., Apr 25 p 44
Embree, Warren J., Feb 22 p 9
Ergelach, A. H., June 28 p 27
Erdner, Paul L., Apr 5 p 70
Erickson, G. A., Feb 1 p 30
Esch, William C., Jan 4 p 28

Essman, A. L., June 28 p 56
Ethridge, Robert P., June 21 p 12
Ettington, Martin, Mar 15 p 69
Evans, A. P., Jan 25 p 12
Evans, Sebra, Jan 4 p 30
Evans, Wisson, May 31 p 21
Everett, D. J., May 31 p 16
Ewing, Paul W., Apr 12 p 34
Exon, E. E., May 31 p 11

Fair, Harry H., May 3 p 11
Faison, Chester F., Apr 5 p 79
Falberg, Weaver E., Feb 15 p 16
Falvey, J. F., Apr 5 p 90
Fardal, I. L., Apr 12 p 28
Farlow, P. R., May 31 p 11
Farmer. Clyde F., Jr., May 17 p 13
Fee, Harry, Feb 1 p 31
Feeley, William E., May 17 p 13
Fee, Harry, Feb 1 p 31
Feeley, William E., May 17 p 13
Fee, Harry, Feb 1 p 31
Feeley, William E., May 24 p 46
Ferner, D. E., June 21 p 38
Fergigs, John L., May 31 p 16
Fiddes, Clyde, June 14 p 79
Fields, E. B., Mar 8 p 91
Finegan, William J., May 24 p 49
Finison, Harrey J., June 7 p 16
Fink, E. V., Feb 8 p 89
Filmer, Edward, Feb 22 p 80
Fishwick, J. P., May 24 p 48
Filts, Jold A., Mar 1 p 12
Fitzmaurice, Edmund J., Jr., Feb 1 p 13
Fitzwilliam, George F., Jan 18 p 31
Fitzwilliam, George F., Jan 18 p 31
Flati, Herman, Mar 15 p 88
Fitzmatrick, T. R., Feb 15 p 33
Fitzwilliam, George F., Jan 18 p 31
Flait, Herman, Mar 15 p 88
Fleming, Donald B., Feb 15 p 33
Fleming, Donald B., Feb 15 p 33
Fleming, Donald B., Feb 15 p 30
Flynn, C. E., Apr 19 p 14
Flynn, M. J., Mar 15 p 78
Flynn, Ralph R., Jan 11 p 244
Fong, L. W., Feb 22 p 80
Forles, Alexander, Feb 22 p 80
Forles, Alexander, Feb 22 p 80
Forles, C. L., Jan 18 p 39
Fortstall, Thomas M., June 7 p 50
Fortset, J. V., Feb 22 p 80
Ford, Leo M., Mar 8 p 93
Fort, Leo M., Mar 8 p 95
Ford, Leo M., Mar 8 p 97
Fort, E., Jan 14 p 29
Fort, Power M., Jan 15 p 78
Forter, C. L., Jan 25 p 12
Fox, Paul H., June 14 p 79
Fox, T. E., Jan 14 p 30
Fox, E. L., Jan 25 p 12
Frenk, George C., June 29 p 57* p 50
Francis, W. W., Mar 15 p 78
Frank, Arthur A., May 3 p 11; May 17
p 134* June 98 p 35
Freed, Louis T., Feb 22 p 80
Forder, J. N., Mar 15 p 78
Frank, Frank, Jan 14 p 250
Francis, W. W., Mar 15 p 78
Frank, Frank, Jan 14 p 30
Francis, W. W., Mar 15 p 79
Frenk, George C., June 29 p 57* p 50
Francis, W. W., Mar 15 p 79
Frenk, George C., June 29 p 57* p 50
Francis, W. W., Mar 15 p 79
Frenk, George C., June 29 p 57* p

G

Gabriel, W. L., May 17 p 113
Gaetz, Matthew L., Mar 15 p 79
Gagnon, Franklin C., Mar 1 p 36
Gaberin, John J., Feb 22 p 88
Gall, Roy A., Apr 19 p 14
Gallagher, John S., Jr., Apr 19 p 132
Galligan, R. R., M-r 22 p 12
G-liltz, G. J. Mar 8 p 88
Gallo, Theo. Jr., May 24 p 44
Galloway Will'am T., May 24 p 49
Gamble, B. G., Feb 8 p 88
Garriell, O. J., Feb 8 p 88
Garriell, O. J., Feb 8 p 88
Gasque, Marto A., Apr 5 p 79
Gass, Arthur H., May 17 p 140*; May 24
p 44 p 44 Geiger, E. H., Jan 18 p 31 George, David R., Jan 4 p 102

George, Frank L., Apr 26 p 44
Gesegnet, Alols C., Feb 8 p 82
Geyer, C. J., May 24 p 45
Gehesling, Joel T., Jr., Feb 8 p 89
Gibboney, J. L., May 31 p 21
Gibbon, J. S., Mar 15 p 79
Gignae, A. J., Mar 8 p 86
Gillehrist, John, Jan 11 p 242
Gilli, R. C., Feb 2 p 90; Mar 15 p 87
Gilli, R. C., Feb 2 p 90; Mar 15 p 87
Gilli, Samuel B., Mar 8 p 86
Gingerich, Lester E., Jan 25 p 55°
Gividen, G. R., Jan 11 p 253
Gleason, Owen, Feb 22 p 86
Gleaves, V. B., June 14 p 82
Glenn, Garrard W., June 28 p 27
Goebring, H. M., May 17 p 113
Gobeen, John L., June 14 p 77
Goldrich, C. R., Jan 4 p 39; Feb 22 p 88
Golladay, E. C., June 7 p 16
Goode, R. S., Apr 5 p 92
Goodenough, C. E., May 10 p 11
Goodfellow, Thomas M., June 21 p 4;
June 28 p 25°
Goodleo, Samuel P., June 21 p 11
Goodyear, C. J., Jan 4 p 13
Gordon, C. M., Feb 15 p 33
Gordon, Irwin L., June 21 p 12
Gordon, C. M., Feb 15 p 33
Gordon, Irwin L., June 21 p 12
Gosnell, Edward L., Mar 22 p 70
Gossell, Edward L., Mar 22 p 70
Gossell, Edward L., Mar 22 p 68
Grader, George T., Jan 11 p 214
Graham, R. Walter, Jr., June 21 p 7, p 8°
Grabam, S. M., May 24 p 45
Gray, William M., Apr 26 p 8
Grader, George T., Jan 11 p 244
Graham, R. Walter, Jr., June 21 p 7, p 8°
Gray, William G., Mar 22 p 67
Grant, Douglas I., Mar 1 p 36°
Gray, T. C., June 14 p 16°
Gray, Milliam G., Mar 22 p 67
Grant, Douglas I., Mar 1 p 36°
Gray, William G., Mar 22 p 55
Green, Lee W., Jan 25 p 55; Mar 15
p 47
Green, Lee W., Jan 25 p 55; Mar 15
p 47
Grow, C. G., Mar 15 p 48°
Greyer, George P., Jr., Feb 1 p 13
Gressitt, John L., Jan 25 p 55; Mar 15
p 47
Grow, C. G., Mar 15 p 44°, Mar 22 p 91°
Grown, G. W. May 17 p 113°
Guernier, W. W., Mar 15 p 69
Guerli, F. M., Feb 1 p 36
Gregory, George P., Jr., Feb 1 p 36
Gregory, George P., Jr., Feb 1 p 13
Gressitt, John L., Jan 25 p 55; Mar 15
Grown, C. G., Mar 15 p 48°
Guernier, W. W., Mar 15 p 69
Guerli, F. M., Feb 1 p 36°
Guernier, G. V., May 17 p 113°
Guernier, M. W., Mar 15 p 69
Guerli, F. M., Feb 1 p 36°
Guerlier, William P., Feb 8 p 14
Guerlier, William P., Feb 8 p 14
Guerlie

H

Haasch, Frank E., June 14 p 84
Haenni, O. C., Jr., Mar 8 p 86
Hagerman, R. D., June 28 p 8
Haggerty, W. H., Jan 18 p 19
Hagy, A. F., Jan 11 p 253
Hale, C. H., Jan 11 p 254
Hale, C. H., Jan 11 p 254
Hale, C. H., Jan 11 p 251
Haley, Robert H., Apr 12 p 12
Hall, J. L., Feb 22 p 80; Apr 5 p 85*
Hall, W. G., Feb 15 p 33
Haligren, Harley K., Mar 1 p 34
Haltzman, Robert C., Jan 25 p 55
Hall, W. G., Feb 15 p 38
Hambrick, Richard W., June 28 p 26
Hamer, Jack E., Mar 8 p 86
Hammer, Jack E., Mar 8 p 86
Hammer, Harry E., June 21 p 12*
Hammer, John P., Mar 15 p 79
Hammer, W. B., June 28 p 8
Hamecek, Robert S., Feb 8 p 89
Hammer, W. B., June 28 p 24
Handzik, George J., Jan 4 p 39
Hansibury, John E., Apr 26 p 10
Harsbury, John E., Apr 26 p 10
Harsbury, John E., Apr 26 p 10
Hansen, Henry, Mar 15 p 83
Hansen, Henry, Mar 15 p 83
Hansen, M. B., Feb 22 p 80
Hansink, Jules, Feb 8 p 97
Harson, H. E., Jan 25 p 16
Harson, O. A., May 24 p 49
Harding, C. L., Apr 19 p 14
Hardman, Gouglas L., Apr 5 p 85
Hardy, George F., June 28 p 26
Hare, G. M., Apr 19 p 14
Hardman, Gouglas L., Apr 5 p 85
Hardy, George F., June 28 p 26
Hare, G. M., Apr 19 p 14
Harker-Marjorie, June 14 p 84
Harker-Marjorie, June 14 p 84
Harker-Marjorie, June 14 p 84
Harry, J. J., Jan 18 p 31
Harrington, L. W., Jr., Apr 12 p 38
Harris, A. Mosby, May 3 p 50

Harris, G. J., Jan 18 p 31
Harris, John M., Jan 11 p 243
Harris, Oh, M., May 10 p 11
Harrison, Charles L., June 7 p 15; June
14 p 15*
Harshbarger, Frank V., Feb 1 p 13
Hart, Alexander H., Mar 22 p 68; May 3 p 18
Hart, W. J., Jan 4 p 29
Hartigan, T. F., Mar 8 p 93
Hartigan, William H., Feb 15 p 33
Hartiman, William H., Feb 15 p 33
Hartiman, Harold D., Feb 22 p 90
Harvey, William H., Apr 26 p 42
Harvood, Stephen G., June 7 p 48
Hase, E. J., Mar 15 p 78; June 14 p 79
Hassall, Charles, Feb 22 p 80
Hastings, John, May 24 p 44
Hastings, Lowell, Apr 12 p 34
Hatch, F. C., Apr 5 p 90
Hatcher, Albert F., Jan 4 p 30
Hatcher, Albert F., Jan 4 p 30
Havershaw, N. E., Mar 8 p 86*
Hayden, J. R., May 3 p 48
Hayes, C. M., Mar 15 p 83
Hayes, Warviek J., Jr., June 7 p 16*
Hayes, J., Mar 15 p 77
Healy, J. D., May 24 p 49
Healy, E. J., Mar 15 p 77
Hedje, J. D., May 24 p 49
Hedley, W. G., Mar 22 p 91*, p 92
Heggarty, William H., Feb 8 p 89
Heimbach, Clinton L., Feb 8 p 89
Heimbach, Ren W., May 17 p 115*
Hedley, W. G., Mar 22 p 91*, p 13; June 28 p 65*
Helmen, Ren W., May 17 p 13; June 28 p 65*
Helmen, Ren W., May 17 p 13; Helm, S. T., Mar 8 p 93
Helmer, C. D., Mar 15 p 79
Hendor, Col. Robert R., Apr 26 p 10
Hendricks, W. E., Feb 1 p 13
Helmer, C. J., Mar 15 p 79
Hender, Col. Robert R., Apr 26 p 10
Hendricks, W. E., Feb 1 p 13
Helmer, R. J., May 10 p 11; June 7 p 50*
Herville, J. Mar 15 p 79
Henry, W. F., Mar 29 p 31
Helwest, J. Mar 15 p 79
Herrick, C. C., May 3 p 50
Herrick, C. C., May 15 p 87
Hill, James E., Mar 15 p 79
H

Department of the control of the con

Holland, Neal, J., Feb 8 p 85; June 7 p 9
Hollins, H., June 28 p 25
Holloman, L. C., Jr., Jan 25 p 16
Holloman, F. K., Jan 11 p 250*
Hollmann, F. K., June 14 p 79
Hollmstrom, Leonard, Mar 29 p 31
Homer, David, Apr 26 p 10
Honeycutt, J. V., Jan 25 p 16
Hons, Robert J., June 28 p 26
Hook, Clark, Feb 22 p 79
Hooks, T., Jan 11 p 250*; Apr 5 p 88
Hower, E. L., Mar 8 p 86
Howler, E. L., Mar 8 p 86
Horloman, K. E., June 21 p 32
Horton, James N., Feb 22 p 88
Horton, William R., June 28 p 27
Hoskins, Byron M., Jan 4 p 28
Houck, Robert A., Feb 1 p 30
Houston, P. D., Sr., Apr 19 p 14; May 17 p 140

Hoving, John E., May 10 p 11; June 7 p 50*
Howard, K. S., Feb 8 p 81*
Howard, N. D., Mar 22 p 91*
Howard, N. D., Mar 22 p 91*
Howarth, Birkett, Jan 11 p 251
Howe, B. D., May 3 p 46
Hoyt, L. E., Mar 15 p 83; June 14 p 82*
Hubbard, Frederick A., Mar 8 p 93
Hubber, Albert F., Jan 25 p 16*
Huddleston, Wilfred, Mar 22 p 68
Huddens, Herschel R., Jr., May 24 p 45
Hudson, Ralph, June 28 p 28
Hudson, W. H., Jr., June 14 p 82*
Hudman, C. B., Jan 11 p 253
Hufman, C. B., Jan 11 p 251
Hughel, Prentiss S., Jan 11 p 253
Hufman, W. H., Jan, June 14 p 16
Humberstone, J. H., June 21 p 11
Humble, R. F., Feb 8 p 85
Humphrey, Russell W., Mar 8 p 03
Hunter, Earl C., Mar 15 p 78
Hupper, A. D., Feb 8 p 85
Humphrey, Russell W., Mar 8 p 03
Hunter, Earl C., Mar 15 p 78
Huppmann, J. Philip, June 28 p 27
Hursh, Samuel R., Jan 25 p 55*; Mar 15 p 47
Hursh, Samuel R., Jan 25 p 55*; Mar 15 p 47
Hursh, Curtis M., Feb 8 p 15*
Hursh, Curtis M., Feb 8 p 15*
Hutchinson, Elmer F., Jan 18 p 31
Hutchinson, Walt W., Mar 22 p 67*
Hutton, E. R., Feb 22 p 90 Hoving, John E., May 10 p 11; June 7 p 50*

Ingersoll, C. E., May 3 p 48 Ingram, Orville, Jan 11 p 244 Irby, Clifford, Mar 8 p 91 Ireland, Charles T., June 28 p 27 Irish, J. L., June 14 p 84

J

Jackson, A. W., May 10 p 11
Jackson, Richard, Jan 11 p 250; Feb 8
p 85°
Jackson, Walter S., Mar 15 p 78
Jackson, William H., May 21 p 48
Jacobs, H. H., Feb 22 p 88
Jacobs, William K., Jr., Apr 26 p 8
Jacobs, C. J., Jan 11 p 253
Jasesche, C. J., Jan 11 p 253
Jakovac, V. P., Mar 15 p 70
Jerlis, D. B., May 3 p 50
Jerlis, D. B., May 3 p 50
Jerlis, D. B., May 3 p 50
Jerlis, William J., Jan 11 p 254
Jerlis, William J., Jan 11 p 254
Jerlis, C. E., June 21 p 12
Jerlis, D. E., Mar 15 p 78°
Jersen, E. L., Mar 15 p 78°
Jersen, E. L., Mar 15 p 78°
Jersen, Les, May 17 p 138
Jerson, R. V., Feb 22 p 79
Jerome, Earnest G., May 24 p 46°
Jessee, G. M., Feb 22 p 86
Jewett, John C., June 7 p 16
Johnson, E. C., Feb 15 p 16
Johnson, E. A., May 24 p 49
Johnson, E. M., Feb 28 p 28
Johnson, E. W., Feb 8 p 88°
Johnson, Ernest C., June 28 p 27
Johnson, Garnett E., Jan 11 p 254
Johnson, Garnett E., Jan 11 p 254
Johnson, H. W., Mar 15 p 79°; Mar 29
p 312
Johnson, L. G. E., Feb 8 p 88
Johnson, L. G. E., Feb 8 p 88
Johnson, R. C., Mar 1 p 12
Johnson, R. M., May 24 p 49

16°, R. M., May 24 p 49
Johnson, R. M., May 24 p 49
Johnson, Ralph, Jan 4 p 39
Johnson, Squire J., Mar 15 p 69
Johnson, Squire J., Mar 15 p 69
Johnson, T. H., Feb 22 p 80
Johnston, A. M., Mar 15 p 78
Johnston, Gordon F., Feb 22 p 89
Johnston, H. W., May 24 p 46
Johnston, H. W., May 24 p 46
Johnston, Harry D., Mar 8 p 88; Mar 15
p 79

Johnston, Gordon F., Feb 22 p 80
Johnston, H. W., May 24 p 46
Johnston, H. W., May 24 p 46
Johnston, H. W., May 24 p 46
Johnston, J. Harvey, May 31 p 21
Johnston, J. H., Feb 22 p 80
Johnston, J. R., Feb 22 p 80
Johnston, Walker S., Mar 8 p 86
Johnston, Walker S., Mar 8 p 86
Johnston, Walker S., Mar 8 p 88
Johnston, Walker S., Mar 12 p 12
Jones, A. Ellis, Feb 1 p 13
Jones, Bet R., June 7 p 50
Jones, Gharles F., Feb 22 p 79
Jones, E. Candler, Feb 8 p 88
Jones, H. S., Mar 12 p 12
Jones, Harry L., Feb 22 p 92
Jones, Harry L., Feb 22 p 99
Jones, Irin R., Jan 11 p 256; June p 25
Jones, Jirin R., Jan 11 p 256; June
Jones, Jirin R., Jan 11 p 250; June

ELECTIONS AND APPOINTMENTS—Continued

[*Indicates photograph and sketch; \$Indicates sketch only]

Judson, W. W., May 10 p 11 Jung, G. F., Jan 4 p 30

Kaetin, Joseph J., Feb 15 p 23
Kaigler, W. E., June 7 p 59
Kaigler, W. E., June 7 p 59
Kaigler, W. E., June 7 p 59
Kane, T. J., May 24 p 49
Karr, Randolph, May 24 p 49
Karr, Randolph, May 24 p 49
Karstens, Albert G., Feb 22 p 79
Kasschau, Kenneth, June 14 p 16
Kearney, Thomas F., Feb 15 p 33
Keister, Earl L., Agr 5 p 85; Apr 19 p 14; May 17 p 140, p 143*
Kelley, William P., Feb 22 p 88
Kelly, Craig D., June 7 p 56
Kelly, Josho W., Jan 11 p 242
Kekall, 8. L., Feb 22 p 86*
Kelly, Grow W., Jan 11 p 242
Kekall, 8. L., Feb 22 p 86*
Kelsey, J. D., Apr 26 p 42
Kemper, R. J., Jan 11 p 243
Kemefek, J. C., Mar 15 p 78
Kemerson, Veriner S., Jan 11 p 243
Kemethy, W. R., Feb 15 p 33
Kemethy, W. R., Feb 18 p 86
Kestner, Joseph, Mar 15 p 78
Kersey, Ceell G., Feb 8 p 86
Kestner, Joseph, Mar 15 p 83
Killebrew, Clarence E., Jan 4 p 28
Killelm, M. M., Mar 15 p 88
Killam, G. W., Mar 15 p 88
Killam, G. W., Mar 15 p 89
Killam, D. H., May 24 p 49
Kingston, F. T., Apr 19 p 14
Kinnan, Charles J., Feb 8 p 84
Killam, F. T., Apr 19 p 14
Kinnan, Charles J., Feb 8 p 84
Killam, F. T., Apr 19 p 14
Kinnan, Charles J., Feb 8 p 84
Killam, F. T., Apr 19 p 14
Kinnan, Charles J., Feb 8 p 87
Kirk, James C., Jan 4 p 30
Kirk, James C., Jan 4 p 30
Kirkpatrick, Russell A., May 31 p 16
Kittell, N. E., May 24 p 49
Kirlia, A. P., Mar 15 p 87
Kirk, James C., Jan 18 p 31
Killote, R. W., May 31 p 21
Kingel, T. R., Mar 15 p 88
Killote, H. W., Feb 1 p 30*
Kirkpatrick, Russell A., May 31 p 16
Kitell, N. E., May 24 p 19
Kirk, James C., Jan 18 p 31
Killote, Jan 18 p 31
Killote, Jan 19 p 39
King, R. W., May 31 p 21
Konelle, J. H., May 17 p 145
Konblet, John T., May 17 p 145
Konol, William C., Jan 18 p 31
Killote, John T., May 17 p 145
Konblet, John T., May 17 p 145
Konblet, John T., May 17 p 145
Konblet 50*
Kramer, Anthony A., Apr 5 p 79
Krzus, F. B., Feb 22 p 99; May 31 p 16
Krause, O. E., Feb 8 p 88
Krelling, W. H., May 3 p 48
Kress, Reynold M., Mar 29 p 31; May 3
p 48
Krighbare, Palab, P. p 48 Krichbaum, Ralph B., Jan 11 p 250 Kronenhitter, Fred, Mør 15 p 78 Krumech, John P., May 17 p 138• Kuckie, Leonard A., May 31 p 2

L

Lafferty, C. D., Feb 1 p 30
La France, Roland J., Mar 29 p 29
Landers, William H., June 21 p 7, p 8*
Landers, William H., June 21 p 7, p 8*
Landewer, Harry, Jan 4 p 29
Lange, W. H., Feb 8 p 88
Lanham, C. E., Feb 22 p 96
Lanning, R. K., Mar 8 p 96
L-pera, C. R., Jan 11 p 259; Feb 1 p 30*
Lapham, Fenton D., Mar 15 p 69
Larct, A. N., June 14 p 79
Larrabee, Guy D., May 3 p 50
LaRoe, Wilbur, Jr., June 7 p 9
Larson, Albert E., Apr 12 p 38
Laskoske, A. W., June 28 p 27
Laswell, Maynard A., Feb 1 p 15
Latimer, Frank R., Apr 5 p 92
Laud, Sam, May 10 p 10*
Law Staniey W., May 10 p 11
Lattrance, Arthur T., Feb 8 p 84*
Lawon, L. R., Feb 22 p 79
Lea, Clarence F., May 17 p 134
Leadbetter, Ralph L., June 21 p 10
Leake, Arthur C., Mar 22 p 70
Leany, A. J., June 28 p 28
Leap, Henry W., Apr 26 p 43
Lease, W. D., May 31 p 21
Lee, Henry W., Apr 26 p 43
Lease, W. D., May 31 p 21
Lee, Henry W., Apr 26 p 43
Lease, W. D., May 31 p 21
Lee, Henry W., Apr 26 p 43
Lease, W. D., May 31 p 21
Lee, Henry W., Apr 26 p 43
Lease, W. D., May 31 p 21
Lee, Henry W., Apr 26 p 45

LeFeire, Dr. P. A., Jan 25 p 13
Leherissey, Eugene F., June 7 p 48
Lehman, Arno P., Mar 8 p 86
Lehman, Arno P., Mar 8 p 86
Lehman, Arno P., Mar 8 p 88
Lehnerer, George J., Feb 15 p 23
Leigh, Dr. Southgate, Jr., Mar 15 p 83
Leilich, G. M., June 21 p 38
Leitich, G. M., June 21 p 38
Leitich, G. M., June 21 p 38
Leitich, G. M., June 21 p 38
Lenard, William J., Apr 10 p 133
Leonard, William J., Apr 10 p 133
Leonard, William J., Apr 26 p 8
Lewis, R. Fancis S., Apr 26 p 8
Lewis, Rancis S., Apr 26 p 8
Lewis, Rancis S., Apr 26 p 8
Lewis, Russell E., Mar 8 p 93
Lewis, William F., Feb 8 p 81*
Lewis, Co., Mar 15 p 83
Liddie, W. H., Feb 22 p 88
Liddie, W. H., Feb 22 p 88
Liddie, W. H., Feb 22 p 88
Liddie, Marold G., Feb 8 p 89
Liddenan, A. R., Feb 22 p 86; June 14 p
82
Lidderer, H. A., Mar 15 p 78; May 24 Linderer, H. A., Mar 15 p 78; May 24 p 45

Linderer, H. A., Mar 15 p 78; May 24
Link, Fred M., Feb 8 p 84
Livingston, Clarence J., Mar 1 p 36
Livingston, Clarence J., Mar 1 p 36
Livingston, Henry H., Jr., Feb 8 p 86
Lloyd, B. H., Feb 15 p 33
Lloyd, W. H., Jan 4 p 30
Lloyd, W. H., Jan 4 p 30
Lloyd, William H., Jan 25 p 55
Lock, Harry, June 7 p 16
Lockwood, Stephen L., Jan 4 p 29; Jan
18 p 31
Lottus, Donald L., May 24 p 49
Lottus, Donald L., May 24 p 49
Lomax, R. L., May 3 p 48
Lonegan, J. L., Apr 5 p 90
Long, Albert S., Jr., May 3 p 50
Long, Karl F., Feb 8 p 82
Long, L. R., Feb 8 p 88
Long, William, Mar 22 p 68
Lorentzsen, N. M., May 24 p 49
Lorentz, A. J., Jan 11 p 253; Feb 22 p
30
Lorentz, Chester, Jan 25 p 55

90
Lorenz, A. J., Jan 11 p 253; Feb 2
90
Lorenz, Chester, Jan 25 p 15
Loring, Charles, Jan 25 p 14
Lottinsille, Phillip 8., Apr 5 p 88
Loughney, F. J., Mar 22 p 68
Loueday, H. J., Mar 15 p 79
Lorett, W. B., Jan 25 p 12
Lorett, W. R., Jan 25 p 12
Lowen, J. Stanley, Apr 26 p 43
Lowman, John E., June 7 p 15
Lowny, J. M., June 14 p 82
Lowther, W. L., June 14 p 79
Luckett, William H., June 14 p 82
Ludden, Kenneth 8., Feb 8 p 85
Luthey, Frank U., June 14 p 71
Lynch, Edmund, Jr., May 3 p 50
Lynn, D. M., May 31 p 11
Lynn, Leo J., Feb 22 p 90
Lyons, Frank, May 17 p 13

M

Mabon, T. M., Jr., June 24 p 12
MacCarthy, George G., May 3 p 48
MacDonald, T. H., Apr 26 p 10
MacDonald, T. H., Apr 26 p 10
MacDonald, J. A., Feb 22 p 80
Macdowell, W. G., May 21 p 48
MacGarlane, W. A., Feb 22 p 86
MacGowan, Charles J., June 28 p 9
Macdow, J. C. M., June 14 p 79
Machon, D. W., Feb 15 p 16
Mackey, H. J., Jan 2 p 16
Mackey, H. F., Mar 8 p 91
MacLeod, David G., June 7 p 50
Magnuski, Henry, Mar 8 p 78
Magule, L. J., Apr 26 p 39
Mahon, Bruce F., Jr., June 21 p 12
Maler, Albert G., Feb 22 p 79
Malmquist, Robert G., May 25 p 46
Malone, A. G., June 7 p 16
Maloney, R. E., Jan 4 p 30
Malthy, P. A., May 21 p 45
Manemann, L. H., Feb 15 p 33
Manion, R. R., Jan 4 p 30
Malthy, P. A., May 21 p 45
Manemann, L. H., Feb 15 p 33
Manion, R. R., Jan 4 p 30; Feb 8 p 88*
Mano, Earl A., June 21 p 11
Mann, Robert E., June 21 p 11
Mann, Robert E., June 21 p 11
Mann, Robert E., June 21 p 10
Mapp, William H., Apr 5 p 90*; May 3
p 50
Marmaduke, Harrey C., Apr 26 p 43
Marsalis, E. L., Feb 15 p 33
Marmaduke, Harrey C., Apr 26 p 43
Marsalis, E. L., Feb 15 p 33

p 50
Marmaduke, Harvey C., Apr 26 p 43
Marsalis, E. L., Feb 15 p 33
Marschalk, R. J., Feb 8 p 84
Marsh, John F., Mar 15 p 51
Marshall, Jack McL., June 14 p 79
Marshall, John L., Feb 8 p 84
Martin, A. D. Apr 5 p 92
Martin, Eldon, May 24 p 45
Martin, Eldon, May 24 p 45
Martin, Herbert E., June 14 p 82*
Martin, R. C., Apr 26 p 42

Marty, A. H., Apr 19 p 14
Massker, H. G., May 24 p 48
Massey, Raymond D., Feb 8 p 86
Masth, Herbert G., Feb 1 p 13
Mather, Howard J., June 21 p 11
Mathews, Leroy W., Feb 22 p 88
Matthews, C. E., May 31 p 21
Matthews, E. C., Jan 4 p 29
Matl, Perry, Feb 22 p 79
Mawell, Gregory W., Mar 8 p 88; Mar
15 p 79
Mayes, M. E., Mar 15 p 83
Maynard, Charles E., Feb 8 p 89
Mayor, G. D., Apr 26 p 43
McAllister, A. T., Feb 1 p 30
McAlon, C. J., May 24 p 49
McCaul, E. W., Apr 26 p 38
McCauley, E. H., Jan 4 p 29; Feb 22
p 869
McCauley, E. H., Jan 4 p 29; Feb 22
McClellam, Robert T., June 28 p 24
McClellam, Robert T., June 28 p 24
McClellam, Robert T., June 28 p 24
McClellam, Repert T., June 28 p 24
McClellam, Rep. Mar 15 p 79

p 86°

McClelland, R. E., Mar 15 p 79

McClintle, William A., Apr 26 p 12

McComb, James, Apr 12 p 12

McCormick, W. Scott, Mar 8 p 78

McCracke, W. R., Feb 2 p 80

McCarthy, F. J., Feb 8 p 88°

McCarthy, Dr. Carl, Feb 1 p 31

McDonald, Patrick F., Apr 26 p 8

McDonald, R. C., Feb 8 p 97

McDonough, Stepben P., June 7 p 50

McDougle, E. G., Apr 26 p 43

McDowell, T. E., June 21 p 10

McGeorge, D. W., Mar 15 p 70

McGeorge, A. L., June 28 p 25

McGinnis, Patrick B., Apr 26 p 7°, p 8

McGregor, A. L., June 28 p 25

McGregor, A. L., June 28 p 25

McGregor, A. L., June 29 p 14

McGovert, E. H., Apr 19 p 14

McGovert, W. H., Apr 19 p 14

McHane, Arthur D., June 28 p 25°

McLean, Harold H., May 21 p 48°

McLean, W. H., Apr 19 p 14

McNamara, J. F., Mar 15 p 78

McMeres, C. A., Apr 26 p 43

Meinhardt, Henry B., May 21 p 14

McNamara, J. F., Mar 15 p 78

McMerles, C. A., Apr 26 p 43

Meinhardt, Henry B., May 21 p 14

McHane, Arthur B., June 28 p 27

McHorles, C. Lett, May 31 p 21

McReke, Edward A., Apr 26 p 43

Meinhardt, Henry B., May 21 p 14

McHael, Edward A., Apr 26 p 58

McHeltin, C. Davis, May 24 p 45

McHeltin, C. Lett, May 15 p 79

McMerce, Edward A., Apr 26 p 43

Meinhardt, Henry B., May 24 p 45

McHeltin, C. Lett, May 15 p 79

McHeles, Edward A., Apr 26 p 43

McHeles, Edward A., Apr 26 p 43

McHeles, Edward A., Apr 36 p 8

McHeltin, C. A., Mar 1 p 214

Signification of the control of the

Mitchell, Henry S., Mar 22 p 12

Mitchell, L. R., Mar 8 p 91; May 31 p

16

Mitchell, Richard F., June 28 p 9

Moad, E., Apr 5 p 88

Mocbius, Russell, Feb 8 p 89

Moffat, J. W., Feb 22 p 80

Moon, J. L., Feb 22 p 90

Moon, J. L., Feb 22 p 90

Moor, J. L., Feb 22 p 90

Moore, Thomas L., May 31 p 21

Moore, Moore, J. J., Mar 15 p 87, June 7 p 50°

Moore, J. L., Way 24 p 49

Moore, F. L., June 14 p 79

Moran, John P., Jan 4 p 30

Moreau, Charles G., Mar 15 p 69

Moran, John P., Jan 4 p 30

Moreau, Charles G., Mar 15 p 69

Moran, Aria, June 28 p 8

Morgan, Aria, June 14 p 79

Morlan, Moorle, L., May 24 p 45°

Morgan, Morle, June 14 p 79

Morland, K. L., May 24 p 48°

Morris, Theodore, May 24 p 49

Morris, Theodore, May 24 p 49

Morris, Theodore, May 27 p 143

Morse, Emerson, Feb 22 p 80

Morse, R. H., III, June 28 p 23°

Morton, Col. L. L., May 17 p 143

Morton, Robert S., June 14 p 16°

Morton, W. J., May 3 p 48°

Morton, W. J., May 3 p 48°

Morton, W. J., May 3 p 50

Mossell, Mar 1 p 16°

Mossell, Mar 1 p 17, p 8°

Mossgrove, W. W., Feb 22 p 79

Mossman, R. K., Mar 29 p 31

Mouring, T. M., Jan 25 p 55

Mueller, T. R., Feb 8 p 97

Mull, Raleigh, Mar 1 p 11; Mar 15 p 9°

Mullos, A. R., June 14 p 84

Mulroy, M. Mar 15 p 78

Murchison, Clint W., June 21 p 7, p 8°

Murphy, Paul J., Jan 11 p 253

Murphy, Raymond J., June 14 p 793

Murphy, Raymond J., June 14 p 794

Murray, William A., June 21 p 7

Murray, Boort D., Apr 19 p 14

Murray, William A., June 21 p 7

Murray, George P., June 21 p 7

Myers, Alan T., Mar 8 p 78

Myers, George P., June 21 p 71

Myers, L. R., Mar 15 p 77

N

Nall. James E., Jan 25 p 55
Naughten, James C., June 11 p 82, p 81*
Nauright, Jack R., May 21 p 45
Nauright, Jack R., May 24 p 45
Nsylor, Norman C., June 7 p 16
Neal, Charles E., Apr 26 p 44
Neale, Harold G., Feb 22 p 80
Neeley, Ezra L., Mar 8 p 93
Neeley, Ezra L., Mar 8 p 93
Neeley, Ezra L., Mar 8 p 93
Neeley, Ezra L., Mar 14 p 82*
Nelson, A. W., Feb 8 p 88
Nelson, C. J., June 14 p 82
Nelson, A. W., Feb 8 p 85
Nelson, Frank E., Feb 22 p 92
Nelson, H. R., June 14 p 79
Nelson, R. A., Jan 11 p 254
Nelson, R. A., Jan 11 p 254
Nelson, Wallace, Feb 8 p 85
Nelson, William A., Jr., Feb 15 p 33;
May 21 p 46*
Neu, George, Apr 26 p 44; Apr 12 p 38
Newman, Earle S., Feb 8 p 15
Newell, Robert, June 28 p 8
Newinger, K. H., Feb 22 p 86
Newman, Earle S., Feb 8 p 15
Newman, Earle S., Feb 8 p 15
Newman, Earle S., Feb 1 p 13
Nielson, Leo, Apr 19 p 14; May 17 p 149
Norls, Walliam A., May 24 p 48
Nordstrom, H. B., May 15 p 79
Norris, Milliam A., May 24 p 48
Nordstrom, H. B., Mar 15 p 79
Norris, Milliam A., May 24 p 12
Norell, T. F., Feb 22 p 86
Nyes, Rosco P., June 7 p 50
Nye, Joseph S., May 17 p 13
Nystrom, Karl T., June 7 p 48

0

O'Brien, Ailen J., Feb 8 p 15 O'Brien, Edward F., Apr 26 p 8 O'Brien, W. D., June 28 p 26 O'Connell, Daniel J., Jan 4 p 29 O'Donnell, J. J., Jan 4 p 29

January 1—June 30, 1954

O'Drain, F. J., Apr 26 p 44
O'Hearn, William R., Mar 15 p 87
O'Herron, Aubrey, May 10 p 11; May 31
p 16
Olorodnik, J. J., Feb' 8 p 88
Olurum, Dwight B., Apr 5 p 92*
O'Keele, Edwin H., Mar 8 p 86*
O'Kelly, R. M., Feb 8 p 89
Olicham, G. P., Apr 26 p 29
Olicham, G. P., Apr 26 p 29
Olicham, G. P., Apr 26 p 39
Olicham, G. P., Apr 26 p 39
Olisen, Norman, May 3 p 50
Olson, Alfred J., Feb 15 p 16
Olson, Alfred J., Feb 15 p 16
Olson, Malley, M. J., Apr 12 p 38
O'Malley, M. J., Apr 12 p 38
O'Malley, M. J., Apr 12 p 38
O'Malley, M., Mar 15 p 78; Apr 5 p 90*
Opsahl, C. R., June 28 p 28
Ordick, Leo A., Feb 22 p 90
Ordway, E. C., Feb 1 p 36
O'Rourke, G. M., Mar 22 p 90*, p 92
Orr. W. G., Apr 26 p 44
Osborne, Latham E., Feb 15 p 33*; Apr 19
p 7
Osburn, Mason B., Feb 15 p 33*; Apr 19
p 7
Osburn, Roy, Jan 25 p 55
Oslund, Kenneth, Feb 8 p 84
Osterbeck, H. K., May 17 p 143
O'Toole, W. L., Feb 2 p 80*
Overlle, E. M., Apr 19 p 14

P

Pacini, Philip E., June 28 p 24
Padberg, P. F., Mar 22 p 68
Page, G. N., May 24 p 49
Page, J. N., Feb 22 p 96
Pain, John K., Mar 15 p 70
Paini, John K., Mar 15 p 33
Palin, Frank, Feb 22 p 89
Palmer, D. R. G., Apr 26 p 42
Palmer, Howard M., Feb 15 p 16*
Palmer, V. C. Mar 8 p 86*
Panacek, Edward A., June 7 p 48
Pantarotto, Peter L., May 31 p 21
Paradis, Jerome E., June 14 p 79; June 28 p 25
Parel, J. D., June 28 p 57*, p 59
Parel, J. D., June 28 p 57*, p 59
Parel, J. D., June 28 p 57*, p 59
Parel, J. D., June 28 p 57*, p 59
Parel, J. D., June 28 p 57*, p 59
Parel, J. D., June 28 p 57*, p 59
Parel, J. D., June 28 p 57*, p 59
Parel, J. May 31 p 21;
June 21 p 11*
Parker, Geraid A., Jan 11 p 243
Parker, Geraid A., Jan 11 p 243
Parker, Homer W., Jan 11 p 243
Parkinson, J. A., Apr 19 p 14
Parsons, Jack, Jan 25 p 55
Parsons, R. C., May 17 p 143*
Part, Herbert B., Apr 19 p 14
Parsons, Jack, Jan 25 p 55
Parsons, R. C., May 17 p 143*
Patterson, Chates L., Mar 15 p 77*
Patterson, Chates L., Mar 15 p 77*
Patterson, Chates L., Mar 15 p 77*
Patterson, Richard G., Jan 11 p 242
Pauling, Roxie H., May 24 p 46*
Patridge, D. R., Apr 19 p 14
Patterson, Richard G., Jan 11 p 242
Pauling, Roxie H., May 24 p 45*
Peete, C. D., June 28 p 8
Peet, C. D., June 29 p 86
Pence, Lloyd G., Apr 26 p 44
Penfley, R. E., Feb 8 p 86
Penrose, W. A., May 3 p 46
Perrose, W. A., May 3 p 46
Perrose, W. A., May 3 p 46
Perrose, M. Alfred E., June 21 p 7, p 8*;
June 28 p 12*
Perry, K. R., Apr 19 p 14; May 24 p 45*
Peterson, D. G., Feb 8 p 88
Peterson, D. G., Feb 8 p 88
Peterson, Emil B., Mar 8 p 93
Pierce, A. H., Apr 12 p 12
Pierce, Robert R., June 11 p 12
Pierce, Bostert R., June 14 p 79
Pios, C. J., May 16 p 11
Plumly, Clinton A., Feb 22 p 88
Powers, J. L., Jan 14 p 83
Power, J. L., Jan 4 p 30
Powers, H. R., Feb 1 p 13
Powell, Gilbert E., Jan 25 p 55
Powell, Mike, May 16 p 11
Powell, Scott, Mar 15 p 83
Power, J. L., Jan 4 p 39
Power,

Q.

Quackenbush, Roy B., May 3 p 48 Quick, David W., Mar 1 p 36; Mar 15 p 78 78 Quick, Tracy R., Feb 8 p 86 Quinn, William J., Apr 12 p 34

R

Rabun. J. F., Feb 22 p 79
Ragland, Charles E., Mar 8 p 86*
Ragot, Louis R. S., Jan 4 p 30
Ramsey, James, Jr., Apr 12 p 12
Rankin, W. I., Feb 22 p 79
Ransom, R. D., Mar 15 p 78
Rapp, John W., Mar 29 p 29
Ratzer, Arthur F., Feb 1 p 13
Rawson, W. G., Jan 4 p 28
Reagan, J. R., Mar 15 p 79
Rector, James N., Feb 22 p 79
Reddick, L. E., Jr., June 14 p 82
Reed, Harry M., Jan 11 p 242
Reed, J. A., Jr., Feb 22 p 86
Reed, L. B., Feb 22 p 86
Reed, L. B., Feb 22 p 86
Reed, Phillip C., Jan 25 p 55
Reed, T. L., Jan 18 p 31
Reedy, C. F., Mar 15 p 78
Reese, E. G., June 7 p 50
Reeve, Caarles W., Mar 29 p 29
Rehl, Donald F., Feb 22 p 90
Reichard, Wade H., Jan 11 p 242
Reidy, E. M., June 28 p 8
Reilly, John F., Jan 18 p 31
Renois, W. B., Jan 11 p 242
Reishaw, Paul, Feb 8 p 82
Resvick, E. P., May 24 p 49
Reves, Chohn, May 24 p 48
Reynolds, L. C., May 24 p 49
Revie, John, May 24 p 48
Reynolds, L. C., May 24 p 48
Reichardson, Gordon A., Jan 18 p 31
Richardson, Lawrence, Jan 25 p 55
Richardson, Red M., June 7 p 48
Richardson, Red W., June 7 p 48
Richardson, Lawrence, Jan 25 p 55
Richards 15 p 78
Roberts, Clyde E., Jan 11 p 242; Feb 15 p 16
Roberts, E. G., Jan 4 p 30
Roberts, Fred B., Apr 5 p 88
Roberts, J. M., Apr 5 p 88
Roberts, M. R., Jan 18 p 31
Roberts, M. A., Feb 15 p 40
Robertson, Alex W., Mar 1 p 7
Robertson, Alex W., Mar 1 p 7
Robertson, Alex W., Mar 1 p 7
Robertson, Marner M., Apr 5 p 88; Apr 28 p 43
Robinson, R. G., Mar 22 p 68
Robinson, P. D., Mar 15 p 87
Robinson, P. D., Mar 15 p 87
Robinson, W., Mar 15 p 78
Robinson, W., Mar 15 p 78
Robson, W., Mar 15 p 78
Roby, Thomas W., Feb 22 p 92
Rocke, Walter J., Mar 29 p 29
Rocke, Walter J., Mar 29 p 29
Rocke, Walter J., Mar 29 p 27
Rock, E. B., Jr., Jan 18 p 31
Rodger, G. A., Mar 8 p 71
Robil, R. J., Mar 15 p 87
Romer, Harry J., June 28 p 25
Rose, James D., Apr 5 p 90
Rorie, R. A., Jr., June 14 p 82
Rose, H. W., Apr 5 p 92
Rose, R. B., Feb 8 p 82
Rose, H. W., Apr 5 p 92
Rose, R. B., Feb 8 p 82
Rose, Harry H., Jan 25 p 14*
Ross, Jan 10
Ross, Jan 10
Ross, Jan 10
Ross, Jan 10
Ross, Harry H., Jan 25 p 14*
Ross, Ross, Harry H., Jan 25 p 18
Ross, Harry H., Jan 27
Ross, R. W., Feb 22 p 88
Rowe, Thomas L., Jan 11 p 250
Ross, Harry H., Jan 25 p 18
Ross, Harry H., Jan 26 p 8
Rutenliler, Gren G., Feb 8 p 84
Rutenliler, Gren

Salinger, Malcolm D., Mar 1 p 12
Salisbury, H. R., June 21 p 10
Salsman, W. C., Mar 15 p 78*
Sanders, Allen W., Feb 8 p 86*
Sanders, Allen W., Feb 8 p 86*
Sanders, T. K., Apr 12 p 12
Sands, Leo G., Mar 8 p 79
Santor, C. D., Jan 11 p 253
Sarchet, Roger, Apr 19 p 7
Saunders, H. I., Mar 15 p 78
Saunders, Stuart T., May 24 p 48*
Sauer, Herbert F., Mar 8 p 79
Saxe, John B., Feb 15 p 16
Saxon, Leondias V., Jan 18 p 31
Sayre, R. B., Jan 1 p 28*
Schatmeyer, R. E., Feb 15 p 16
Scheffer, George L., Jan 25 p 55
Schenek, S. B., Jan 11 p 259
Schenkel, J. T., Mar 8 p 88*
Schitmeyer, R. E., Feb 15 p 16
Scheffer, George L., Jan 25 p 88
Schlentz, John N., Jan 18 p 31
Schlegel, Charles B., Feb 22 p 88
Schlentz, John N., Jan 18 p 31
Schley, T. C., Mar 15 p 79
Schmid, Martin H., Jan 11 p 242
Schmeld, John H., Mar 15 p 79
Schmid, John H., Mar 15 p 79
Schmid, John H., Mar 15 p 79
Schmid, John H., Mar 15 p 79
Schmidt, Theodore, May 3 p 50
Schmidter, John J., Feb 15 p 16
Schoedinger, E. H., Mar 15 p 78
Schuelder, J. C., Apr 26 p 44
Schnelder, John J., Teb 15 p 16
Schoedinger, E. H., Mar 15 p 78
Schuelder, J. C., Apr 26 p 44
Schnelder, John J., June 14 p 79
Schuelt, R. E., Apr 19 p 17
Schultz, Theron P., Feb 22 p 79
Schuelt, R. E., Apr 19 p 18
Schuster, Culand E., Mar 15 p 79
Schuster, Howard, Mar 8 p 93
Schwarz, Carl F., June 14 p 79
Schutt, C. S., Feb 15 p 33
Schwarz, Carl F., June 14 p 79
Schutt, R. B., June 14 p 79
Schutt, R. B., June 14 p 79
Schutt, R. B., June 28 p 25
Schot, C. S., Feb 15 p 33
Schwarz, Carl F., June 14 p 79
Schut, C. B., June 14 p 79
Schutt, R. B., June 17 p 16
Scher, Terry L., Feb 8 p 89
Sersent, W., June 7 p 16
See, Stanley R., June 7 p 18
Schelter, Feller L., Feb 22 p 79
Schoutt, M. J., June 11 p 253
Shaffer, J. F., Apr 20 p 43
Shaffer, J. F., Apr 20 p 45
Scheiter, Feller L., Feb 22 p 86
Shields, A. M., Apr 3 p 88

Feb 15 p 33

Simanek, Earl L., Apr 26 p 42; June 7 p 16

Simons, Harold A., Apr 19 p 11

Simons, Harold A., Apr 19 p 11

Simpson, C. A., Feb 8 p 14

Simpson, H. E., Feb 1 p 13

Simpson, H. E., Feb 1 p 13

Simpson, W. E., Mar 15 p 51,

S'ms, John Mar 15 p 78

Sinclair, W. F., Feb 22 p 80

Singer, J. C., Jr., May 31 p 16

Sinnar, John H., Mar 8 p 93

Skidmere, Howard, Mar 15 p 78

Skidmere, Howard, Mar 15 p 13

Slater, John E., Apr 26 p 7, p 8*

Slater, Robert 8., May 17 p 138*

Sloan, David B., Feb 15 p 16

Smallwood, Clifford, June 14 p 79

Smith, Arch R., Jan 4 p 28

Smith, Blaine S., Feb 15 p 16

Smith, Blaine S., Feb 15 p 16

Smith, Blaine S., Feb 15 p 16

Smith, Earl E. T., June 21 p 7, p 8*

Smith, Harry F., Mar 22 p 70*

Smith, Harry F., Mar 22 p 70*

Smith, Harry S., June 14 p 84

Smith, J., Francis Apr 26 p 8

Smith, J., Fred, Feb 8 p 85

Smith, L. R., Apr 5 p 85

Smith, L. R., Apr 5 p 85

Smith, L. R., Apr 5 p 89

Smith, R. R., Apr 5 p 89

Smith, W. C., May 24 p 49

Smith, W. C., May 24 p 49

Smith, W. D., June 14 p 82

Smythe, William H., Jr., Mar 15 p 69

Sneddon, Samuel D., Mar 15 p 77

Snelson, Dewey L., June 14 p 84

Snow, William B., Apr 26 p 8
Snyder, Guy A., May 24 p 49
Soviel, C. J., Jan 4 p 29
Sorensen, William, Apr 26 p 42
South, J. E., Mar 15 p 47
Southern, W. G., May 24 p 45
Spahn, George C., Mar 15 p 70
Spahling, R. E., Feb 8 p 89
Spangler, Million L., June 14 p 84
Spearing, A. E., Mar 22 p 68
Speare, T. M., Mar 15 p 87
Spencer, Roger, Apr 12 p 12
Spillman, R. M., Feb 1 p 27
Spillman, R. M., Feb 1 p 27
Spillman, R. M., Feb 1 p 37
Spillenberger, W. A., Mar 15 p 77
Sprague, Harley J., Feb 8 p 88
Sprague, Lucian C., Mar 8 p 15; May 17
p 13; June 28 p 66*
Springfield, A. L., June 7 p 50
Sprunk, W. A., Feb 22 p 90
Squire, Frank C., May 17 p 134
Squires, G. F., Feb 8 p 89
Stackpole, Chester S., Mar 15 p 69
Stagg, Oscar M., Jr., Feb 15 p 16
Stanies, Hugh W., Apr 19 p 14; May 17
p 140*
Stante, June 28 p 25
Statbuck, John C., Mar 8 p 86; June 21
p 38
Stebler, William J., May 10 p 10*
Stecher, LeRoy H., Feb 22 p 90
Steinberger, H. V., Feb 22 p 88
Stetson, Henry T., Mar 15 p 78
Stetson, Henry T., Mar 15 p 78
Stetson, Henry T., Mar 15 p 78
Stetson, John H., June 14 p 78
Stevens, E. A., May 24 p 49
Stevenson, John H., June 14 p 79
Stevens, E. A., Mar 15 p 78
Stevenst, George A., June 28 p 27
Stevens, E. A., Mar 15 p 78
Stevenst, John, May 3 p 50
Stevenst, Milliom E., Feb 8 p 88
Straub, Robert A., Mar 15 p 78
Strough, R. B., Mar 8 p 93
Stripte, Lebert M., Feb 1 p 13
Stone, Edward F., May 31 p 16
Steckbarmer N., Feb 1 p 13
Stone, C. Harold, Apr 5 p 88
Straub, Robert A., May 10 p 11
Strough, Mar 15 p 79
Strough, Mar 15

Tanner, S. E., Mar 15 p 87
Tarbutton, Ben J., June 21 p 12
Tarr, Robert H., Mar 1 p 76; Mar 15 p 78*
Tate, Herry F., Mar 1 p 7
Taylor, A. S., Jan 4 p 30
Taylor, A. S., Jan 4 p 30
Taylor, C. A., June 28 p 25
Taylor, C. A., June 28 p 25
Taylor, C. A., June 29 p 34*
Taylor, Carson L., Apr 12 p 34*
Taylor, Charles W., June 7 p 15; June 14 p 15*
Taylor, Delmar W., Apr 5 p 99
Taylor, Gelmar W., Apr 5 p 99
Taylor, Grelle, June 21 p 7, p 8*
Taylor, Delmar W., Apr 5 p 99
Taylor, Grelle, June 21 p 7, p 8*
Taylor, Belmar W., Apr 5 p 86
Taylor, R. R., Feb 22 p 86
Taylor, R. R., Feb 22 p 86
Taylor, R. R., Feb 22 p 86
Tesle, Fred C., Apr 12 p 38
Terrill, A. R., Feb 22 p 86
Tesle, Fred C., Apr 12 p 38
Tesl, Robert J., Feb 22 p 12*
Thai, Donald E., Mar 29 p 29
Thomas, G. A., Mar 8 p 93
Thomas, G. A., Mar 8 p 93
Thomas, R. B., Mar 22 p 88*
Thompson, C. W., May 24 p 48
Thompson, C. W., May 24 p 48
Thomson, D. A., Mar 29 p 29

ELECTIONS AND APPOINTMENTS—Continued

[*Indicates photograph and sketch; \$Indicates sketch only]

Thorne, F. H., May 31 p 21
Thrall, A. J., Feb 15 p 16
Thrall, Jerome A., Feb 15 p 16
Thrall, Jerome A., Feb 15 p 16
Thrall, Jerome A., Feb 12 p 90
Tipton, J. W., June 21 p 12
Tizzard, Thomas W., Feb 1 p 13
Tobin, K. J., Jan 25 p 15
Tomkins, O. Scott, Feb 1 p 13
Tompkins, A. W., Mar 15 p 87
Tough, J. M., Jan 4 p 28*
Tracy, W. O., Jr., Jan 11 p 254
Trainer, Maurice N., Jan 12 p 15
Travers, Hugh, Feb 22 p 88
Trent, W. H., May 31 p 16; June 28 p 26
Trudeau, Floyd S., Feb 22 p 90
Tucker N. R., Mar 15 p 87
Turner, J. M., Mar 8 p 86
Turner, J. M., Mar 8 p 86
Turner, B. N., Mar 15 p 69*
Tyler, B. W., Jr., June 21 p 37*

U

Ulrich, Theodore, Mar 22 p 67 Ulyatt, E. S., May 10 p 11

Van Arsdalen, C. I., June 28 p 64
Van Auken, S., Jr., Mar 15 p 83
Van Bergen, H. C., Feb 22 p 90
Van Brocklin, M. G., Jan 18 p 31
Van Der Stluys, Willfam, Jan 4 p 28
Van De Velde, Paul G, May 24 p 40
Van Duesen, G. E., Apr 5 p 90
Van Eaton, G. R., Jan 18 p 22
Van Iousen, W. R., Apr, 19 p 14
Van Hoven, Paul H, June 21 p 36*
Van Moss, John H, Jane 21 p 36*
Van Moss, John H, June 21 p 7, p 8*
Van Reed, Arthur, Mar 22 p 68
Van Reed, Arthur, Mar 22 p 68
Van Swaringen, Guy H, June 14 p 79
Varney, C. P., May 3 p 50
Vaughan, G. C., May 31 p 16
Vassering, Col. N. H, Feb 8 p 88
Verner, George, Mar 8 p 78
Vietling, H. S., June 11 p 79
Vinet, L. P., May 24 p 49
Vissering, Col. N. H, Feb 8 p 14
Vlaming, Ray J., June 7 p 48
Vogts, W. D., Feb 22 p 86
Vollmer, W. G., Mar 8 p 78

Vom Berg, Harry C., June 14 p 79‡ Voss, Fred J., June 7 p 50; June 21 p 36*

Wagenbach, T. L., Feb 8 p 89 Wagner, H. O., May 31 p 16 Wagner, W. R., Mar 15 p 78 Wagner, Karl J., Jan 11 p 250; Feb 22 p 70* Wagner, H. O., May 31 p 16
Wagner, W. R., Mar 15 p 78
Wagner, Karl J., Jan 11 p 250; Feb 22
p 79*
Walt, Ward H., Feb 22 p 90
Waldron, A. M., May 24 p 48
Walker, D. E., Jan 4 p 30
Walker, G. H., Apr 5 p 85
Walker, G. H., Apr 5 p 85
Walker, G. H., Apr 5 p 85
Walker, G. Don E., Mar 1 p 7
Wallace, C. J., Apr 26 p 25
Wallace, L. L., Jan 11 p 253
Walsh, G. G., Feb 8 p 84*
Walter, A. H., June 28 p 8
Walter, William W., Feb 15 p 33
Walsh, G. G., Feb 8 p 84*
Walter, William W., Feb 15 p 33
Walsh, G. G., Feb 8 p 84
Walter, William W., Feb 15 p 33
Walter, Eskel O., June 28 p 22
Walters, Eskel O., June 28 p 22
Walters, Eskel O., June 28 p 22
Walters, Eskel O., June 28 p 20
Walton, N. T., May 10 p 11
Ward, Chifford H., Jan 11 p 251
Ward, Donald G., Feb 15 p 10
Ward, L. J., Feb 8 p 86
Walter, Glibert E., June 11 p 79
Aarrell, Ted O., Jan 11 p 242
Warner, Gilbert E., June 11 p 79
Aarrell, Ted O., Jan 11 p 233
Waterston, Thomas, Apr 26 p 43
Wastson, W. E., June 28 p 23*
Watt, J. R., May 17 p 115
Way, Albert E., Mar 8 p 86
Weatherall, W. J., Jan 11 p 234
Western, J. E., Mar 15 p 87
Webb, R. T., Mar 8 p 86
Wester, Austin, Jan 11 p 244
Ween, L. A., Jan 25 p 16
Wester, L. Austin, Jan 11 p 244
Ween, L. A., Jan 25 p 16
Wester, E. W., June 7 p 59
Welsh, M. J., Feb 22 p 86
Welsh, M. J., Feb 22 p 86
Welsh, M. J., Feb 22 p 86
Welsh, M. J., Feb 25 p 86
Wester, C. J., Apr 5 p 85 West, E. K., June 28 p 26
West, J. E., May 24 p 49
Westbrook, L. Curtis, May 24 p 45
Westono, James K., May 24 p 49
Wetberall, J. G., Mar 15 p 79
Wheeler, J. E., Apr 5 p 92
Wheeler, R. C., Apr 19 p 14
Whitcher, F. E., Mar 8 p 93
White, A. F., Feb 1 p 31
White, Arthur C., Feb 15 p 33
White, Arthur C., Feb 15 p 79
White, H. C., Feb 8 p 86*
White, H. C., Feb 8 p 86*
White, P. C., May 24 p 49
White, Robert S., June 28 p 26
White, Wheeler S., June 28 p 26
White, Whiliam, Jan 4 p 36; Apr 19 p
33; Apr 26 p 19; June 21 p 7; June
28 p 12*
White, William G., Jan 11 p 252* 28 p 12* p 1, June 1 p 252* White, William G., Jan 11 p 252* Whitely, Harry, Feb 22 p 80 Whitely, Harry, Feb 22 p 80 Whitesell, George O., Apr 26 p 42 Whitelar, D., Apr 10 p 14 Whitlow, G. C., Apr 5 p 88 Whitman, Hower O., Apr 26 p 8 Whitmore, Edgar F., Jr., May 17 p 138 Whitele, H. O., May 16 p 11; May 24 p 48 Whitele, H. A. M. Lee 4 p 20 Vision Whitten, H. O., May 10 p 11: May 24 p 48
Whyte, H. A. M., Jan 4 p 29; Feb 8 p 88
Wisner, Fred E., Feb 8 p 84
Wildinson, G. G. Earle, Apr 26 p 43; June 14 p 79
Wilkinson, Edward M., Mar 8 p 93
Wilkinson, Edward M., Mar 8 p 93
Wilkinson, Wesley A., May 24 p 46
Willard, J. O., Jan 18 p 31
Willicox, J. C., Jan 25 p 55
Willicox, J. C., Jan 25 p 55
Willicox, J. Taney, Jan 25 p 55
Williams, D. H., June 28 p 8
Williams, B. H., June 28 p 8
Williams, Glenn A., Jan 25 p 55
Williams, R. C., Jan 4 p 30
Williams, R. C., Jan 4 p 30
Williams, S. S., Feb 22 p 56
Williams, R. C., Jan 4 p 30
Williams, R. C., War 19 p 11
Willis, J. V., Feb 8 p 85; Feb 22 p 79
Wilson, C. W., Mar 8 p 70
Wilson, F. H., May 10 p 11
Wilson, G. Lloyd, Jan 4 p 12
Wilson, G. Lloyd, Jan 4 p 12
Wilson, G. Lloyd, Jan 4 p 12
Wilson, M. R., June 21 p 4
Wilson, McC. B., May 24 p 44
Wilson, McC. B., May 24 p 44
Wilson, Rosser L., June 14 p 76
Wilson, McC. B., May 24 p 44
Wilson, McC. B., May 24 p 44
Wilson, McC. B., May 24 p 44
Wilson, McC. B., May 17 p 138 Winship, R. B., Feb 22 p 80
Winshade, L. N., June 28 p 25
Wintrich, R. G., Mar 8 p 88
Wiseman, E. P., June 7 p 50
Wilt, Sylvester J., Mar 8 p 88
Witt, Sylvester J., Mar 8 p 88
Witt, T. E., Apr 12 p 38
Wolf, C. B., May 24 p 49
Wollschlaeger, L. L., May 24 p 49
Wollschlaeger, L. L., May 24 p 49
Wood, C. E., Jan 11 p 253
Wood, M. H., Mar 1 p 12
Wood, Pierre 0., Jan 25 p 15
Wood, M. H., Mar 1 p 12
Wood, Pierre 0., Jan 25 p 15
Wood, M. C., Jr., Feb 15 p 33
Woody, W. L., May 24 p 48
Woomer, L. B., Jan 25 p 13; Feb 8 p
86*
Worswick, A. L., Mar 15 p 83
Wren, Thomas J., Feb 8 p 86
Wright, Edwin F., Jan 11 p 250; Feb 22
p 79*
Wight, Howard P., June 28 p 65
Wright, Edwin F., Jan 11 p 250; Feb 22
p 79*
Wight, Howard P., June 28 p 25 Wright, Edwin F., Jan 11 p 250; Feb 22 p 79
Wright, Howard P., June 28 p 25
Wright, Jack, Feb 22 p 79
Wright, James J., Feb 15 p ,33; Feb 22
p 92; Mar 8 p 88
Wright, W. D., Mar 15 p 77
Wyatt, R. L., June 28 p 27
Wystoff, K. E. Feb 8 p 88
Wylie, Donald L., Mar 15 p 79
Wyman, Robert, Feb 15 p 33
Wyncken, 0, III., Jan 4 p 29
Wynne, B. E., June 7 p 50; June 28 p 28°

Young, G. M., Jan 4 p 30* Young, G. M., Mar 22 p 68 Young, George, Jan 11 p 254 Young, H. J., Jan 11 p 253 Young, Robert R. (See main index) Youngberg, Elliott C., Jan 11 p 244 Yount, Maj, Gen. P. F., Feb 1 p 11; Mar 1 p 11*

Zamzow. Edward, Mar 8 p 91
Zelle, Edgar F., Mar 15 p 5; Mar 22 p
Zeller, J. Arnold, Feb 8 p 89
Zika, F. J., Feb 1 p 31
Zimmerman, K. F., Mar 22 p 68
Zimmerman, Raymond B., Jan 1 p 29
Zobac, F. J., June 14 p 79
Zulauf, John E., Mar 22 p 67

OBITUARY

[*Indicates photograph and sketch; \$Indicates sketch only]

Adams, B. T., Feb 15 p 23 Adams, Everett E., Feb 1 p 31 Allen, John S., Jan 25 p 16 Anderson, Col. Henry W., Jan 18 p 31 Archer, Parks C., Jan 18 p 31 Armour, A. Watson, May 31 p 21

Barnes, W. C., Mar I p 36 Barrett, C. T., May 24 p 49 Beckett, Richard C., Feb 8 p 97 Black, Robert L., Feb 15 p 33 Boller, Harry, June 28 p 28 Bower, William C., Mar I p 36 Brazill, John P., Apr 5 p 92

Brasill, John P., Apr 5 p 92
Case, Rogers, Sr., May 3 p 11
Clark, James E., Mar 15 p 87
Clarke, Walter R., Feb 8 p 81
Colun, Charles, Mar 8 p 93
Couper, Walter E., June 14 p 81
Crane, Emerson P., Feb 1 p 13
Crueger, G. A., May 23 p 49
Cummins, T. J., June 14 p 84

Cummins, T. J., June 14 p 84

Dallow, Walter R., Jan 11 p 254

Dayton, C. H., Apr 26 p 44

Beasy, John F., Jan 4 p 30

Deeming, Herbert, May 17 p 148

Denton, Harold L., June 14 p 84; June

28 p 25

Donahoe, Maurice, Mar 1 p 36

Durham, Edward M., Jr., June 11 p 8

Elster, Richard B., May 17 p 148 England, Henry J., Mar 29 p 31 Erickson, Harry E., June 7 p 50 Exans, Stuart F., May 24 p 40 Exans, Wallace G., Mar 29 p 31

Farrell, Thomas R., Mar 8 p 93
Fenwick, Dr. C. P., Mar 29 p 31; Apr 26
Petrick, Albert J., June 14 p 82
Fleming, William J., Feb 22 p 92
Flond, J. A., May 24 p 49
Flynn, Edward, June 14 p 84
Fromm, M. L., Jan 18 p 31

Gardner, Edwin H., Jan 18 p 31; Apr 26 p 43 Garrett, A. G., Mar 8 p 93 Geblardt, Raymond L., Jan 11 n 254 Geldes, Bonald Y., May 10 p 11 Gerken, C. A., Mar 22 p 68 Glerhalm, Walter, May 24 p 49 Goodwin, Kenneth P., June 28 p 28 Grayson, P. W., June 21 p 12

Grayson, P. W., June 21 p 12
Hale, S. J., Jan 11 p 254
Hessler, George F., Feb 22 p 79
Hickey, Harry C., Apr 26 p 42; May 31
P 21
Hopkins, V., May 24 p 49
Huggard, A. W., May 10 p 11
Hunt, A. S., May 31 p 16
Hunter, Horace C., Mar 29 p 31; Apr 26
Hurbert, O. W., Jr., Feb 8 p 89
Hurst, S. D., Jr., Jan 11 p 254
Huxbold, William C., June 21 p 12

Jensen, R. H., June 21 p 12 Johnson, Julius, Apr 19 p 14 Kane, Charles E., Apr 26 p 45 Kearnes, E. A., Feb 22 p 96 Kiesel, William F., Jr., June 14 p 842 Kimbell, Robert E., Mar 15 p 87 Kirk, J. C., June 21 p 12 Kramer, LeRoy, Apr 26 p 42 Krupich, C. J., Mar 15 p 78

Lang, D. W., Apr 26 p 43 Lightburn, C. M., Mar 22 p 68 Lynch, Robert J., June 28 p 27

Mattson, R. E., May 3 p 50; May 10 p

Mattson, R. E., May 3 p 50; May 10 p 11 McCarlney, J. D., Mar 1 p 36 McCauley, Howard W., Apr 12 p 38; Apr 19 p 14 McCollester, Parker, Jan 25 p 16 McIlyar, J. O., Mar 1 p 36; Apr 12 p 38 McKernan, Richard P., Mar 22 p 68 Mehan, B. J., Mar 15 p 78 Mengel, Arthur C., Apr 12 p 12 Meyer Balthusar H., Mar 8 p 78 Miller, Samuel F., Jan 18 p 31 Milchell, William J., Feb 8 p 97; Mar 15 p 79 Murray, Sidney C., June 14 p 84 Nan, Otto, Parker, Apr. 12 p 38

Nau. Otto F., Apr 12 p 38 Neal, G. P., June 14 p 79 Olson, Ephraim L. June 7 p 50

Pancost, E. Ellsworth, Apr 26 p 45; May 24 p 46.

Parker, F. A., May 24 p 49.

Pattecon, J. C., Jan 18 p 31; Mar 15 p 78.

Peabody, George A., Mar 1 p 12 Prott, William B., Jan 4 p 30; Feb 22 p 86

Quinn, J. E., Mar 1 p 36; Mar 15 p 78 Raffensparger, Donald C., Feb 8 p 86 Richard, George A. K., June 28 p 28 Roberts, L. H., Feb 22 p 80

Roberts, L. H., Feb 22 p 80
Sawyer, C. E., Jan 18 p 31
Scandrett, Benjamin W., May 24 p 49
Schroeer, Cliff., Apr 5 p 79
Scott, Walter E., Jan 18 p 6
Shireliffe, Charles H., Apr 12 p 38
Smith, D. Y., Jan 4 p 30
Solloway, Leo A., Mar 8 p 93
Springail, W. A., May 3 p 59
Stafford Frederick O., Apr 19 p 14
Stevens, H. E., June 7 p 50
Swallow, Gerald K., June 14 p 77

Tate, M. K., Mar 15 p 70
Temple, D. R., June 7 p 50
Templeton, Walter B., Jan 11 p 244
Tletz, H. D., Feb 15 p 16
Tigrett, Isaac B., May 10 p 9‡
Tinklepaugh, H. R., May 3 p 50
T-augott, Albert M., Jan 18 p 31
Trimble, Frank, Feb 22 p 80
Tyner, Earl L., May 3 p 11

Veroneau, Leon A., Feb 8 p 97 Welsh, Wilmer W., Mar 29 p 31; Apr 19 p 14

Wessel, Erling, June 14 p 77 Westerman, F. R., Jan 18 p 31 Whitson, T. Barclay, Feb 22 p 79 Wilson, William J., May 31 p 16 Wolfe, Harry A., Apr 12 p 12 Wyatt, Harrison F., June 21 p 12

NEW FACILITIES

Atchison, Topeka & Santa Fe, Feb 8 p 85; Mar 8 p 15; May 17 p 13

Bamberger, Mar 8 p 14 Boston & Maine Transportation Co., June 7 p 40

California Western, Mar 8 p 15
Canadian National, Mar 8 p 14; Mar 15 p 70; May 17
p 11
Canadian Pacific, Feb 8 p 85; Mar 15 p 70
Chesapeake & Ohio, Apr 26 p 36
Chicago & Illinois Midland, Mar 29 p 30
Chicago & North Western, Mar 22 p 12; May 17 p 12
Chicago, Burlington & Quiney, Mar 29 p 30
Chicago, Milwaukee, St. Paul & Pacific, Jan 4 p 29
Cincinanti, New Orieans & Texas Pacific, Jan 4 p 20

Delaware & Riudson, Jan 11 p 246 Denver & Rio Grande Western, Feb 8 p 85 Detroit & Toledo Shore Line, May 17 p 12 Detroit, Toledo & Ironton, May 17 p 12

Eric, Feb 8 p 85

Galveston Wharves, May 17 p 12 Grand Trunk Western, June 7 p 49 Great Northern, Mar 8 p 14; Mar 29 p 30, May 31 p 13 Green Bay & Western, Apr 26 p 36 Gulf, Colorado & Santa Fe, Mar 15 p 71

Illinois Terminal, June 7 p 49 Indianapolis Union, June 7 p

Kansas City Southern, Mar 8 p 15 Kansas City Terminal, June 28 p 24

Long Island, Feb 8 p 85 Louisville & Nashville, Mar 15 p 71; May 31 p 15; June 28 p 24

McCloud River, Mar 15 p 71; May 31 p 15 Mctropolitan Transit Authority (Boston), Jan 4 p 29 Minneapolis, St. Paul & Sault Ste. Marie, Jan 4 p 24 Missouri Pacific, Jan 11 p 246; Apr 26 p 35

New Orleans Public Belt, May 17 p 11 New York Central, May 17 p 12

New York City Subway, Mar 15 p 70 Norfolk & Western, Jan 4 p 29; Mar 29 p 30 Northern Pacific, Jan 4 p 29; Feb 1 p 28; May 31 p 15

Pennsylvania, Feb 8 p 85

Reading. Apr 26 p 36

Sacramento Nor'bern, May 10 p 0 St. Louis-San Francisco, Feb 8 p 85; Apr 26 p 36 St. Louis Southwestern, Mar 8 p 13, p 15 Scaboard Air Line, Apr 26 p 36 Southern Pacific, Apr 26 p 38 Spartanburg Terminal, May 17 p 13

Texas & Pacific, Feb 8 p 85; May 17 p 13 Transportation Development Corporation, May 24 p 44

Union Pacific, June 7 p 49

Wabash, Mar 8 p 14 Western Pacific, May 31 p 15

ABANDONMENTS

Atlantic Coast Line, Mar 39 p 30

Chesapeake & Ohio, Mar 29 p 30 Chicago, Rock Island & Pacific, Jan 4 p 28

Denver & Rio Grande Western, Mar 15 p 14

Erie, Feb 22 p 74

Great Northern, Jan 4 p 28

Huntingdon & Broad Top Mountain, Feb 22 p 74

Joplin-Pittsburgh, Jan 4 p 28

Kentucky & Tennessee, Feb 22 p 74

Lehigh Vailey, Mar 15 p 14 Louisville & Nashville, Feb 22 p 74

Missouri Pacific, Feb 22 p 74

Nacogdoches & Soutneastern, Feb 22 p 74 National Coal Bailway Company, Feb 22 p 74 New York Central, Feb 22 p 74

New York, New Hayen & Hartford, Mar 15 p 14

Oneida & Western, Feb 22 p 74 Oregon Short Line, Feb 22 p 71

Pennsylvania-Reading Seashore Lines, Jan 4 p 28

Reading, Jan 4 p 28

Sylvania Central, Mar 15 p 11

Western Maryland, Mar 15 p 14

FINANCIAL NEWS

Akron, Canton & Youngstown, Apr 26 p 38 Alleghany Corporation, Apr 19 p 55 Atchison, Topeka & Santa Fe, May 31 p 16; June 21 p 11 Augusta, Ga., Union Station, Feb 22 p 75

Baltimore & Ohio, Mar 22 p 11 Bangor & Aroostook, Apr 12 p 12; May 17 p 140; June 14 p 77 Beech Mountain, May 17 p 14 Bouthomie & Hattlesburg Southern, Feb 22 p 75 Boston & Providence, Jan 25 p 17

Boston & Providence, Jan 25 p 17

Canadian National, Jan 18 p 30; Mar 15 p 71; Apr 5 p 80

Canadian Pacific, Jan 25 p 17; June 28 p 24

Central of New Jersey, Mar 15 p 71; May 3 p 48

Chesapeake & Ohio, Feb 15 p 11; Feb 22 p 75; Mar 1
p 8; Mar 8 p 9; Mar 22 p 10; May 20 p 27; Apr 5
p 81; Apr 12 p 10; May 3 p 11; May 10 p 10;
May 17 p 14; May 24 p 12; May 31 p 12

Chicago & Eastern Illinois, Jan 18 p 30; Jan 25 p 17;
Feb 15 p 11; Mar 22 p 16; May 3 p 48

Chicago & North Western, Jan 25 p 17; Mar 8 p 80;
Mar 29 p 31; May 10 p 11

Chicago & Western Indiana, June 28 p 25

Chicago, Aurora & Elgin, Feb 1 p 28; Feb 22 p 75; Mar 15 p 71

Chicago, Burlington & Quincy, June 14 p 77

Chicago, Great Western, Feb 22 p 75; Mar 22 p 16

Chicago, Miwaukee, St. Paul & Pacific, Jan 25 p 17;

June 28 p 24

Chicago, Rock Island & Pacific, May 31 p 16; June 28 p

24

Chicago South Shore & South Bend, Apr 19 p 55

Chicago South Shore & South Bend, Apr 19 p 55

Delaware, Lackawanna & Western, Apr 5 p 81 Donora Southern, Mar 8 p 80; May 3 p 48; June 14 p 77 Durham & Southern, Mar 22 p 16; May 3 p 48

Elgin, Joliet & Eastern, June 7 p 48 Erle, Jan 25 p 17 Everett Railroad. Mar 22 p 16; June 14 p 77

Fort Dodge, Des Moines & Southern, Feb 22 p 75

Gainesville Mtdland, June 28 p 24 Great Northern, Jan 25 p 17; Feb 22 p 77; Mar 29 p 31; Apr 12 p 31; May 24 p 44 Greyhound Corporation, June 28 p 24 Gulf, Colorado & Santa Fe, Jan 25 p 17; May 3 p 48

Hartford & Slocomb, Jan 4 p 28; Feb 22 p 75, p 77

Illinois Central, Feb 8 p 80; Feb 22 p 77; Mar 15 p 74; Mar 22 p 16; Apr 5 p 81, p 84; Apr 26 p 38; May 3 p 48; May 31 p 16; June 28 p 24 Inland Waterways Corporation, Mar 15 p 74 International-Great Northern, Apr 12 p 34; May 10 p 11

Lake Terminal, June 28 p 24
Long Island, Apr 5 p 81; May 31 p 11
Long Island Transit Authority, May 31 p 11
Louistille & Nashville, Jan 4 p 28; Feb 8 p 80; Mar 15
p 77

Maine Central, Feb 22 p 75; Apr 19 p 55
McCloud River, June 28 p 25
Minneapolis & St. Louis, Jan 11 p 248; Feb 22 p 77;
Mar 15 p 74; Apr 5 p 84; May 17 p 13
Minneapolis, St. Paul & Sault Ste. Marie, June 14 p 77
Missouri-Ransas-Texas, May 17 p 138
Missouri-Pacific, Feb 1 p 28; Feb 8 p 81; Feb 22 p 74;
Mar 1 p 11; Mar 29 p 31; Apr 19 p 55; May 17 p
14

New York Central, Feb 15 p 11; Feb 22 p 75; Mar 1 p 8; Mar 8 p 9; Mar 22 p 10; Mar 29 p 27, Apr 5 p 81; Apr 12 p 10; Apr 19 p 53; Apr 26 p 38; May 3 p 11; May 10 p 9; May 17 p 13; May 24 p 12; May 31 p 12, p 16; June 21 p 11

New York, Chicago & St. Louis, Feb 1 p 30; Mar 1 p 11; June 7 p 48

New York, New Haven & Hartford, Jan 18 p 30; Apr 5 p 79; Apr 19 p 56; May 3 p 11

New York, Ontario & Western, Feb 22 p 75; Mar 15 p 74

New York Thruway Authority, May 24 p 13

Newburgh & South Shore, Feb 15 p 12; Mar 22 p 16; June 28 p 25 North American Car Corporation, Feb 1 p 28 Northern Pacific, Mar 15 p 74; Mar 20 p 31; Apr 26 p 38; May 17 p 140

Panhandie & Santa Fe, Feb 1 p 30; May 3 p 48
Penntroad Corporation, Feb 22 p 77
Pennsylvania, Feb 1 p 30; Mar 8 p 80; May 17 p 14;
May 31 p 11
Pittsburgh & West Virginia, Feb 22 p 77; May 3 p 48
Portland Terminal, Jan 25 p 17; Feb 22 p 77

Railway Express Agency, Apr 5 p 84

Sacramento Northern, Feb 22 p 77
St. Louis, Brownsville & Mexico, Mar 1 p 11: Mar 29 p 31
St. Louis-San Francisco, Jan 18 p 30
St. Louis-San Francisco, Jan 4 p 23
Seaboard Air Line, Feb 1 p 28
Southern, Feb 22 p 77
Southern Pacific, Jan 4 p 28; Jan 25 p 17; Mar 1 p 11;
Apr 3 p 77; Apr 26 p 38; May 31 p 16
Spokane International, Jan 25 p 17; Mar 1 p 11

Texas & New Orleans, Feb 22 p 77 Texas & Pacific, Mar 22 p 16; May 3 p 48

Union (Pittsburgh), Mar 1 p 11 Union of Memphis, Mar 1 p 11

Valdosta-Southern, Apr 5 p 84 Virginian, Feb 3 p 51

Wabash, Jan 25 p 17
Washington & Franklin, Feb 8 p 80
Western Maryland, Feb 8 p 81; Feb 15 p 11
Western Pacific, Mar 15 p 74
Wisconsin Central, Mar 15 p 74